



**Möller-Preussler**

## **Stelltransformatoren**

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### Normen

#### **EN 61558-2-14**

##### **Besondere Anforderungen und Prüfungen für Stelltransformatoren und Netzgeräte, die Stelltransformatoren enthalten.**

Dort wo Wechselspannungen und -ströme zwischen 0 und 100% des Nennwertes regelbar benötigt werden, setzt man Stelltransformatoren ein. Die Fertigung unserer Ringstelltransformatoren erfolgt nach dieser Norm.

"Bestimmungen für Stelltransformatoren mit quer zur Windungsrichtung bewegten Stromabnehmern."

#### **EN 61558-2-13**

##### **Besondere Anforderungen und Prüfungen an Spartransformatoren und Netzgeräte, die Spartransformatoren enthalten.**

Spartransformatoren besitzen im Gegensatz zu Trenntransformatoren keine getrennten Wicklungen.

Die Eingangs – und Ausgangswicklung ist leitend miteinander verbunden. Spartransformatoren dürfen für die Schutzmaßnahme „Schutztrennung“ nicht verwendet werden!

Man unterscheidet hier Durchgangsleistung und Bauleistung, wobei die Bauleistung immer kleiner ist als die Durchgangsleistung. Die Bauleistung wird umso kleiner, je geringer die Differenz zwischen Eingangs- und Ausgangsspannung ist.

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### technische Informationen

#### **Einbau und Kühlung**

Beim Einbau in Gehäuse muss beachtet sein, dass die Eigenbelüftung nicht behindert wird. Auch bei Nennbetrieb kann sonst eine zu hohe Erwärmung den Transformator zerstören.

Bei Überschreiten der Umgebungstemperatur von 40°C ist der Nennstrom um jeweils 20% pro 10°K Temperaturerhöhung zu vermindern.

#### **Anschluss und Überlastschutz**

Der Netzanschluss erfolgt an die auf dem Typenschild genannte Eingangsspannung. Die Eingangsspannung darf den Nennwert um nicht mehr als 6% übersteigen.

Bei Dreiphasen-Ringstelltransformatoren in Sternschaltung ist der Sternpunkt isoliert herausgeführt. Dieser darf nicht zur Bildung eines künstlichen Sternpunktes benutzt werden. Eingangsseitige Überlast-Schutzeinrichtungen können einen Stelltransformator wegen des veränderlichen Übersetzungsverhältnisses nicht ausreichend schützen. Zu dem muss bei deren Einsatz auch der Einschaltstromstoß des Transformators berücksichtigt werden. Er kann im ersten Moment das 20 - 30 fache des Nennstromes betragen und klingt nach einigen Millisekunden ab. Entsprechende Schutzmaßnahmen finden Sie unter **Einschaltstrombegrenzer**.

Stelltransformatoren können nur durch einen im Ausgangskreis angeordneten, auf den Nennstrom des Transformators abgestimmten Überlastschutz ausreichend geschützt werden.

#### **Wartung**

Die Wartung muss abhängig von der Beanspruchung in regelmäßigen Abständen, jedoch spätestens nach jeweils 12 Monaten wie folgt durchgeführt werden:

- Sichtkontrolle aller mechanischen und elektrischen Teile, Prüfung der Anschlüsse auf festen Sitz
- Staubablagerung mittels Pinsel oder Pressluft von der Wicklung entfernen
- Reinigung der Kontaktbahn durch weiches, spiritusgetränktes Tuch oder Polier-Schleifleinen  
Keine mechanischen Schleifmittel verwenden
- Kohlerollen und Lagerung auf Leichtgängigkeit und Andruck prüfen

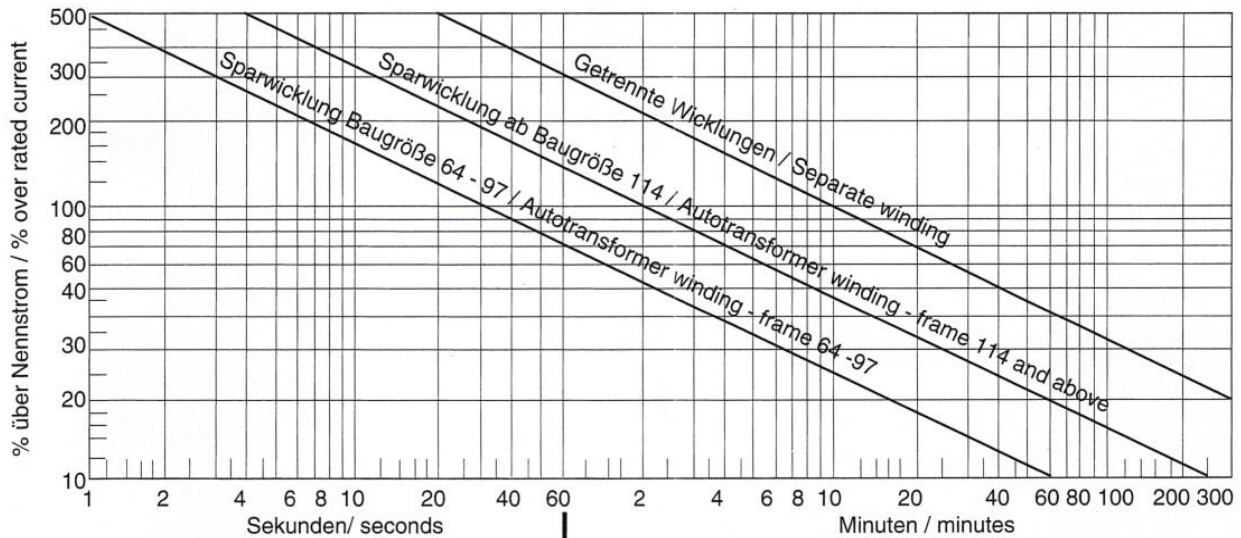
**Achtung! Die Lagerung der Kohlerollen darf nicht geschmiert werden.**

### technische Informationen

Insbesondere bei Verwendung als Einbau-Transformatoren sind alle einschlägigen Sicherheitsbestimmungen (VDE, EN, IEC, Geräteschutzgesetz etc.) zu beachten. Dies ist Bestandteil unserer Garantiebedingungen und muss im Schadensfall vom Anwender nachgewiesen werden.

#### **Zulässige Überlastung im Kurzzeitbetrieb in % des Nennstromes**

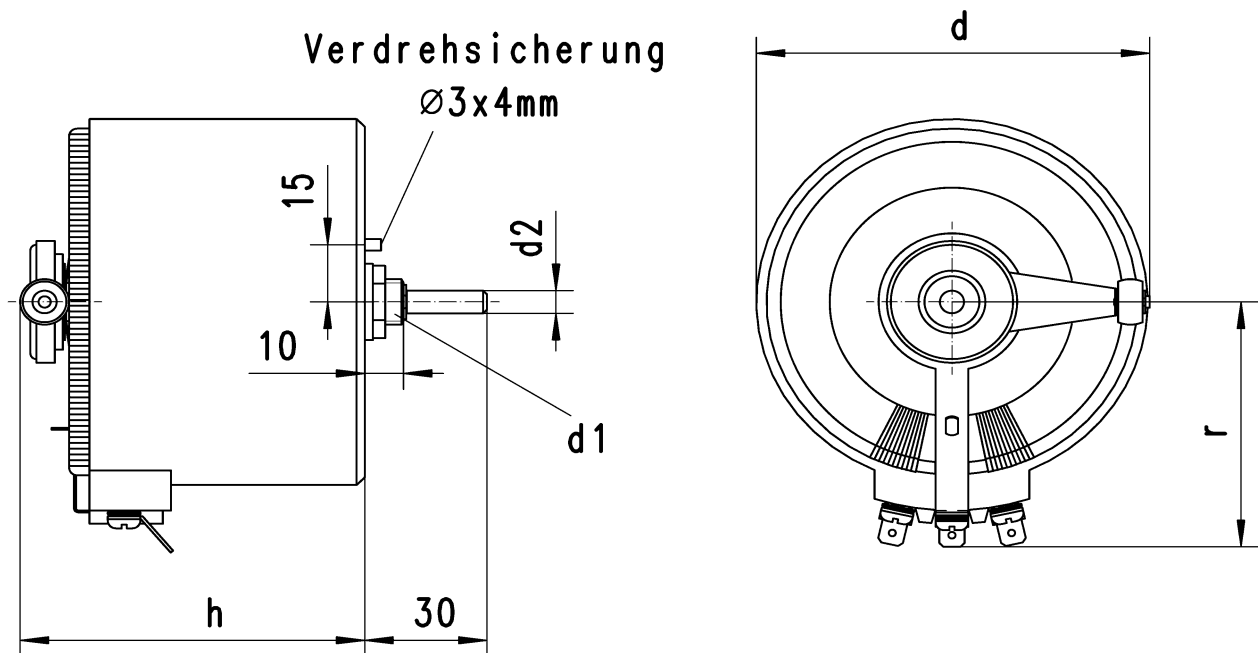
Die Wiederholung der Überlastung ist erst nach vollständiger Abkühlung der Transformatorenwicklung zulässig.



#### **Hinweis**

Ringstelltransformatoren werden je nach Anwendungsfall für Normal- oder erschwerten Betrieb eingesetzt. Sollte der Stromabnehmer über einen längeren Zeitraum (24h) nicht bewegt oder unter Last häufiger ein- oder ausgeschaltet werden, so liegt erschwerter Betrieb vor. Bei erschwertem Betrieb muss die Leistung um den Faktor 0,85 reduziert werden.

Die Abmessungen und technischen Daten in diesem Katalog dienen der Produktbeschreibung und sind unverbindlich.

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

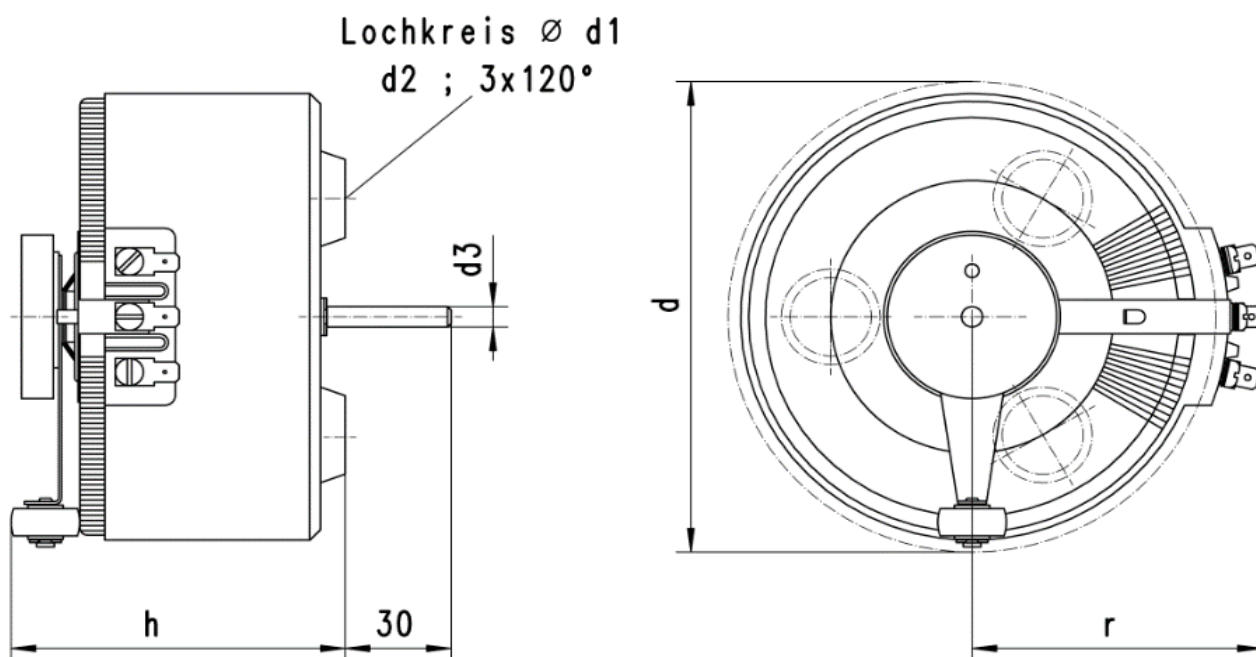
- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Zentralbefestigung
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* Handantrieb (Drehknopf und Skala bitte separat bestellen)
- \* fußregelnd

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Alle Artikel zur Produktgruppe MP-683

| Typ       | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|-----------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MP-683-64 | 0,8          | 62-200064-011                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 0,8          | 62-200064-015                                 |
| MP-683-65 | 1,0          | 62-200065-011                              | 0,5          | 62-200065-012                              | ---          | ---                                        | ---          | ---                                        | 1,0          | 62-200065-015                                 |
| MP-683-73 | 0,8          | 62-200073-011                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 0,8          | 62-200073-015                                 |
| MP-683-74 | 1,0          | 62-200074-011                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 1,0          | 62-200074-015                                 |
| MP-683-75 | 1,25         | 62-200075-011                              | 0,8          | 62-200075-012                              | ---          | ---                                        | ---          | ---                                        | 1,25         | 62-200075-015                                 |
| MP-683-76 | 1,6          | 62-200076-011                              | 1,0          | 62-200076-012                              | ---          | ---                                        | ---          | ---                                        | 1,6          | 62-200076-015                                 |
| MP-683-84 | 1,6          | 62-200084-011                              | 0,8          | 62-200084-012                              | ---          | ---                                        | ---          | ---                                        | 1,6          | 62-200084-015                                 |
| MP-683-85 | 2,0          | 62-200085-011                              | 1,0          | 62-200085-012                              | ---          | ---                                        | ---          | ---                                        | 2,0          | 62-200085-015                                 |
| MP-683-86 | 2,5          | 62-200086-011                              | 2,0          | 62-200086-012                              | ---          | ---                                        | ---          | ---                                        | 2,5          | 62-200086-015                                 |
| MP-683-94 | 2,5          | 62-200094-011                              | 1,6          | 62-200094-012                              | 1,0          | 62-200094-013                              | 0,8          | 62-200094-014                              | 2,5          | 62-200094-015                                 |
| MP-683-95 | 3,2          | 62-200095-011                              | 2,0          | 62-200095-012                              | 1,25         | 62-200095-013                              | 1,0          | 62-200095-014                              | 3,2          | 62-200095-015                                 |
| MP-683-96 | ---          | ---                                        | 2,5          | 62-200096-012                              | 1,6          | 62-200096-013                              | 1,25         | 62-200096-014                              | ---          | ---                                           |
| MP-683-97 | 4,0          | 62-200097-011                              | 3,2          | 62-200097-012                              | ---          | ---                                        | ---          | ---                                        | 4,0          | 62-200097-015                                 |

| Typ       | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |     |    |    |    |
|-----------|----------------|----------------|------------------|-----|-----|----|----|----|
|           |                |                | d                | h   | d1  | d2 | h1 | r  |
| MP-683-64 | 0,04           | 1,1            | 76               | 62  | M10 | 6  | 6  | 54 |
| MP-683-65 | 0,05           | 1,3            | 76               | 72  | M10 | 6  | 6  | 54 |
| MP-683-73 | 0,04           | 1,3            | 88               | 62  | M12 | 6  | 10 | 59 |
| MP-683-74 | 0,05           | 1,4            | 88               | 65  | M12 | 6  | 10 | 59 |
| MP-683-75 | 0,08           | 1,7            | 88               | 76  | M12 | 6  | 10 | 59 |
| MP-683-76 | 0,10           | 2,0            | 88               | 86  | M12 | 6  | 10 | 59 |
| MP-683-84 | 0,09           | 1,8            | 98               | 66  | M12 | 6  | 10 | 64 |
| MP-683-85 | 0,12           | 2,1            | 98               | 76  | M12 | 6  | 10 | 64 |
| MP-683-86 | 0,16           | 2,6            | 98               | 86  | M12 | 6  | 10 | 64 |
| MP-683-94 | 0,14           | 2,3            | 108              | 68  | M12 | 6  | 10 | 70 |
| MP-683-95 | 0,25           | 2,8            | 108              | 78  | M12 | 6  | 10 | 70 |
| MP-683-96 | 0,30           | 3,4            | 108              | 88  | M12 | 6  | 10 | 70 |
| MP-683-97 | 0,37           | 3,9            | 108              | 110 | M12 | 6  | 10 | 70 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

- \* Einphasen Ringstellsparttransformator
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- \* Handantrieb (Drehknopf und Skala bitte separat bestellen)
- \* fußregelnd

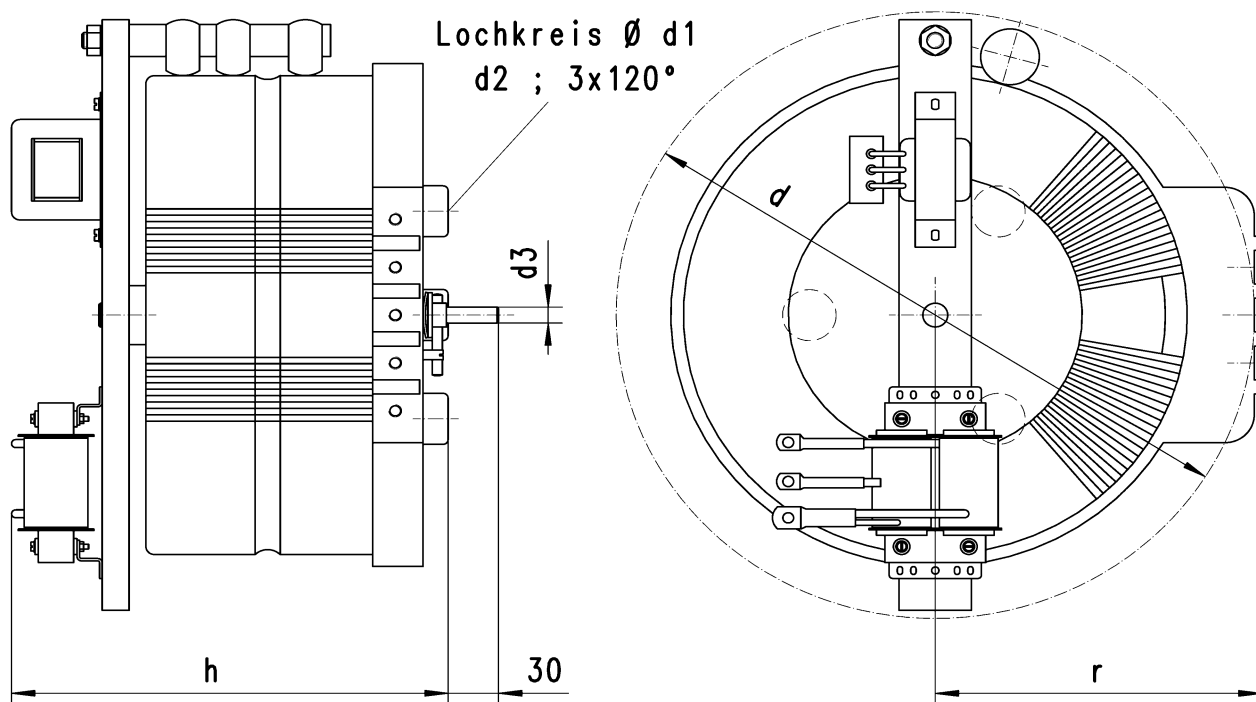
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## Alle Artikel zur Produktgruppe MP-684

| Typ        | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MP-684-64  | 0,8          | 61-200064-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-65  | 1,0          | 61-200065-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-73  | 0,8          | 61-200073-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-74  | 1,0          | 61-200074-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-75  | 1,25         | 61-200075-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-76  | 1,6          | 61-200076-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-84  | 1,6          | 61-200084-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-85  | 2,0          | 61-200085-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-86  | 2,5          | 61-200086-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-94  | 2,5          | 61-200094-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-95  | 3,2          | 61-200095-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-97  | 4,0          | 61-200097-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-114 | 4,0          | 61-200114-001                              | 2,0          | 61-200114-002                              | 1,6          | 61-200114-003                              | 1,6          | 61-200114-004                              | 4,0          | 61-200114-005                                 |
| MP-684-115 | 5,0          | 61-200115-001                              | 4,0          | 61-200115-002                              | 2,0          | 61-200115-003                              | 2,0          | 61-200115-004                              | 5,0          | 61-200115-005                                 |
| MP-684-116 | 6,3          | 61-200116-001                              | 5,0          | 61-200116-002                              | 3,2          | 61-200116-003                              | 2,5          | 61-200116-004                              | 6,3          | 61-200116-005                                 |
| MP-684-117 | 8,0          | 61-200117-001                              | ---          | ---                                        | 4,0          | 61-200117-003                              | ---          | ---                                        | 8,0          | 61-200117-005                                 |
| MP-684-135 | 6,3          | 61-200135-001                              | 5,0          | 61-200135-002                              | ---          | ---                                        | 3,2          | 61-200135-004                              | 6,3          | 61-200135-005                                 |
| MP-684-136 | 8,0          | 61-200136-001                              | 6,3          | 61-200136-002                              | 5,0          | 61-200136-003                              | 4,0          | 61-200136-004                              | 8,0          | 61-200136-005                                 |
| MP-684-137 | 10,0         | 61-200137-001                              | 8,0          | 61-200137-002                              | ---          | ---                                        | 5,0          | 61-200137-004                              | 10,0         | 61-200137-005                                 |
| MP-684-157 | 12,5         | 61-200157-001                              | 10,0         | 61-200157-002                              | 6,3          | 61-200157-003                              | 6,3          | 61-200157-004                              | 12,5         | 61-200157-005                                 |
| MP-684-178 | 16,0         | 61-200178-001                              | 12,5         | 61-200178-002                              | 8,0          | 61-200178-003                              | 8,0          | 61-200178-004                              | 16,0         | 61-200178-005                                 |
| MP-684-217 | 20,0         | 61-200217-001                              | ---          | ---                                        | ---          | ---                                        | 10,0         | 61-200217-004                              | 20,0         | 61-200217-005                                 |
| MP-684-218 | ---          | ---                                        | 16,0         | 61-200218-002                              | 10,0         | 61-200218-003                              | ---          | ---                                        | ---          | ---                                           |
| MP-684-257 | 25,0         | 61-200257-001                              | ---          | ---                                        | 12,5         | 61-200257-003                              | 12,5         | 61-200257-004                              | 25,0         | 61-200257-005                                 |
| MP-684-258 | ---          | ---                                        | 20,0         | 61-200258-002                              | 16,0         | 61-200258-003                              | 16,0         | 61-200258-004                              | ---          | ---                                           |
| MP-684-297 | ---          | ---                                        | 25,0         | 61-200297-002                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-684-298 | ---          | ---                                        | ---          | ---                                        | 20,0         | 61-200298-003                              | ---          | ---                                        | ---          | ---                                           |
| MP-684-358 | ---          | ---                                        | ---          | ---                                        | 25,0         | 61-200358-003                              | 20,0         | 61-200358-004                              | ---          | ---                                           |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |     |     |    |     |
|------------|----------------|----------------|------------------|-----|-----|-----|----|-----|
|            |                |                | d                | h   | d1  | d2  | d3 | r   |
| MP-684-64  | 0,04           | 1,1            | 76               | 66  | 26  | M4  | 6  | 54  |
| MP-684-65  | 0,05           | 1,3            | 76               | 76  | 26  | M4  | 6  | 54  |
| MP-684-73  | 0,04           | 1,3            | 88               | 62  | 26  | M4  | 6  | 59  |
| MP-684-74  | 0,05           | 1,4            | 88               | 65  | 26  | M4  | 6  | 59  |
| MP-684-75  | 0,08           | 1,7            | 88               | 76  | 26  | M4  | 6  | 59  |
| MP-684-76  | 0,10           | 2,0            | 88               | 86  | 26  | M4  | 6  | 59  |
| MP-684-84  | 0,09           | 1,8            | 98               | 66  | 26  | M4  | 6  | 64  |
| MP-684-85  | 0,12           | 2,1            | 98               | 76  | 26  | M4  | 6  | 64  |
| MP-684-86  | 0,16           | 2,6            | 98               | 86  | 26  | M4  | 6  | 64  |
| MP-684-94  | 0,14           | 2,3            | 108              | 68  | 26  | M4  | 6  | 70  |
| MP-684-95  | 0,25           | 2,8            | 108              | 78  | 26  | M4  | 6  | 70  |
| MP-684-97  | 0,37           | 3,9            | 108              | 117 | 80  | M6  | 6  | 70  |
| MP-684-114 | 0,30           | 3,4            | 135              | 105 | 80  | M6  | 6  | 88  |
| MP-684-115 | 0,37           | 4,2            | 135              | 95  | 80  | M6  | 6  | 83  |
| MP-684-116 | 0,45           | 5,0            | 135              | 106 | 80  | M6  | 6  | 83  |
| MP-684-117 | 0,60           | 5,8            | 135              | 127 | 80  | M6  | 6  | 83  |
| MP-684-135 | 0,55           | 5,2            | 150              | 112 | 110 | M8  | 10 | 92  |
| MP-684-136 | 0,85           | 6,2            | 150              | 122 | 110 | M8  | 10 | 92  |
| MP-684-137 | 1,00           | 7,4            | 150              | 132 | 110 | M8  | 10 | 92  |
| MP-684-157 | 1,30           | 9,8            | 175              | 135 | 110 | M8  | 10 | 110 |
| MP-684-178 | 1,60           | 13,5           | 195              | 152 | 110 | M8  | 10 | 120 |
| MP-684-217 | 2,20           | 16,0           | 235              | 155 | 150 | M8  | 10 | 145 |
| MP-684-218 | 2,40           | 18,0           | 235              | 165 | 150 | M8  | 10 | 145 |
| MP-684-257 | 3,10           | 19,0           | 280              | 155 | 150 | M8  | 10 | 160 |
| MP-684-258 | 3,30           | 21,0           | 280              | 165 | 150 | M8  | 10 | 160 |
| MP-684-297 | 4,50           | 27,0           | 320              | 160 | 150 | M8  | 10 | 200 |
| MP-684-298 | 4,80           | 28,0           | 320              | 180 | 150 | M8  | 10 | 200 |
| MP-684-358 | 5,60           | 34,0           | 390              | 180 | 150 | M10 | 10 | 230 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

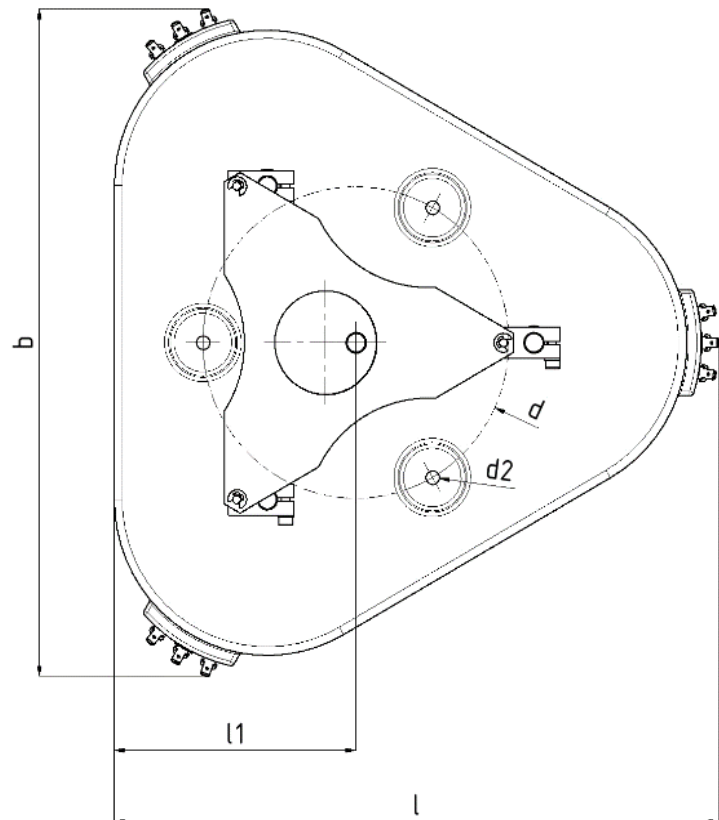
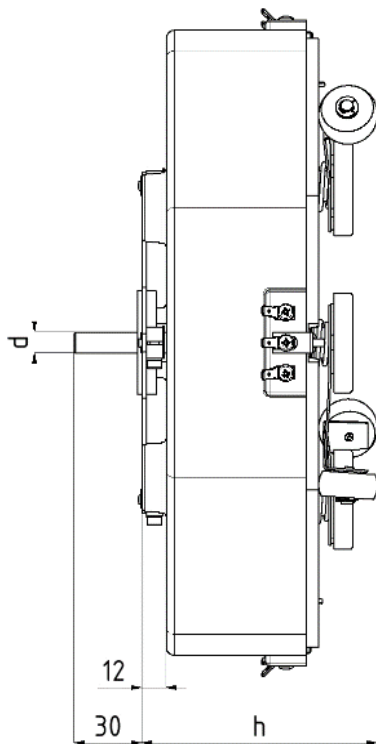
- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Dreipunktbefestigung
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* Handantrieb (Drehknopf und Skala bitte separat bestellen)
- \* bis 63,0A fußregelnd, ab 75,0A kopfregelnd



Alle Artikel zur Produktgruppe MP-685

| Typ         | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|-------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MP-685-2507 | 32,0         | 61-202507-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 32,0         | 61-202507-005                                 |
| MP-685-2907 | 40,0         | 61-202907-001                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 40,0         | 61-202907-005                                 |
| MP-685-2908 | ---          | ---                                        | 32,0         | 61-202908-002                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-685-2512 | 50,0         | 61-202512-001                              | 40,0         | 61-202512-002                              | ---          | ---                                        | 25,0         | 61-202512-004                              | 50,0         | 61-202512-005                                 |
| MP-685-2912 | 63,0         | 61-202912-001                              | 50,0         | 61-202912-002                              | 32,0         | 61-202912-003                              | 40,0         | 61-202912-004                              | 63,0         | 61-202912-005                                 |
| MP-685-3512 | 75,0         | 61-203512-021                              | 63,0         | 61-203512-022                              | 40,0         | 61-203512-023                              | ---          | ---                                        | 75,0         | 61-203512-025                                 |
| MP-685-3515 | 100,0        | 61-203515-021                              | 80,0         | 61-203515-022                              | 63,0         | 61-203515-023                              | 50,0         | 61-203515-024                              | 100,0        | 61-203515-025                                 |
| MP-685-3518 | 125,0        | 61-203518-021                              | 100,0        | 61-203518-022                              | 80,0         | 61-203518-023                              | 63,0         | 61-203518-024                              | 125,0        | 61-203518-025                                 |
| MP-685-5515 | 150,0        | 61-205515-021                              | 125,0        | 61-205515-022                              | 100,0        | 61-205515-023                              | 100,0        | 61-205515-024                              | 150,0        | 61-205515-025                                 |
| MP-685-5520 | 200,0        | 61-205520-021                              | 200,0        | 61-205520-022                              | 150,0        | 61-205520-023                              | 150,0        | 61-205520-024                              | 200,0        | 61-205520-025                                 |
| MP-685-5525 | 250,0        | 61-205525-021                              | 250,0        | 61-205525-022                              | 200,0        | 61-205525-023                              | 200,0        | 61-205525-024                              | 250,0        | 61-205525-025                                 |

| Typ         | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |     |     |    |     |
|-------------|----------------|----------------|------------------|-----|-----|-----|----|-----|
|             |                |                | d                | h   | d1  | d2  | d3 | r   |
| MP-685-2507 | 3,5            | 21,0           | 370              | 215 | 150 | M8  | 8  | 180 |
| MP-685-2907 | 4,5            | 27,0           | 410              | 215 | 150 | M8  | 8  | 200 |
| MP-685-2908 | 4,7            | 29,0           | 410              | 225 | 150 | M8  | 8  | 200 |
| MP-685-2512 | 6,0            | 40,0           | 370              | 280 | 150 | M8  | 8  | 180 |
| MP-685-2912 | 8,0            | 46,0           | 410              | 280 | 150 | M8  | 8  | 200 |
| MP-685-3512 | 12,0           | 73,0           | 470              | 290 | 150 | M10 | 8  | 230 |
| MP-685-3515 | 14,0           | 80,0           | 470              | 340 | 150 | M10 | 8  | 230 |
| MP-685-3518 | 16,3           | 92,0           | 470              | 390 | 150 | M10 | 8  | 230 |
| MP-685-5515 | 35,4           | 160,0          | 670              | 410 | 330 | M16 | 8  | 340 |
| MP-685-5520 | 50,7           | 236,0          | 670              | 480 | 330 | M16 | 8  | 340 |
| MP-685-5525 | 65,8           | 311,0          | 670              | 550 | 330 | M16 | 8  | 340 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

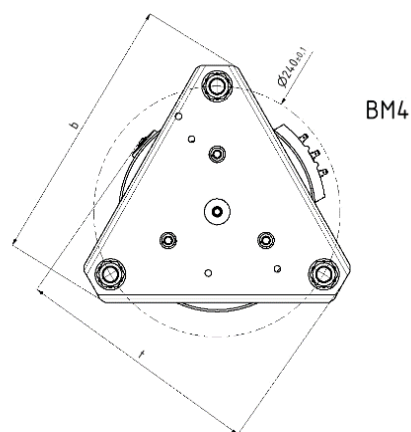
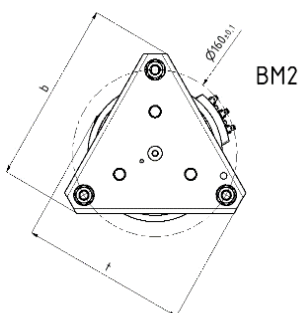
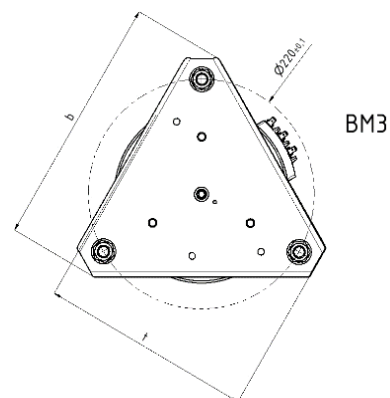
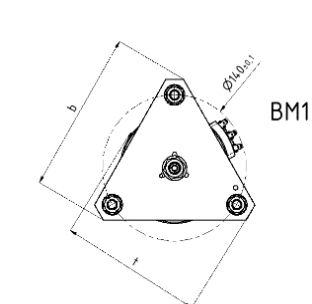
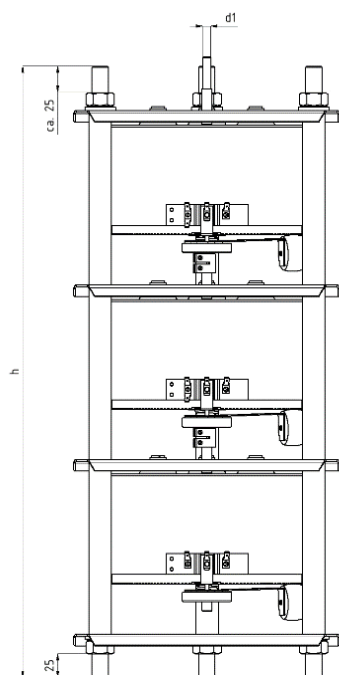
- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Dreipunktbefestigung
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* Handantrieb (Drehknopf und Skala bitte separat bestellen)



Alle Artikel zur Produktgruppe MP-686

| Typ        | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. |
|------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|
| MP-686-73  | 0,8          | 71-000073-001                                    | ---          | ---                                              | ---          | ---                                              |
| MP-686-74  | 1,0          | 71-000074-001                                    | 0,5          |                                                  | ---          | ---                                              |
| MP-686-75  | 1,25         | 71-000075-001                                    | 0,8          | 71-000075-004                                    | ---          | ---                                              |
| MP-686-84  | 1,6          | 71-000084-004                                    | 0,8          |                                                  | ---          | ---                                              |
| MP-686-85  | 2,0          | 71-000085-001                                    | 1,0          | 71-000085-004                                    | ---          | ---                                              |
| MP-686-94  | 2,5          | 71-000094-001                                    | 1,6          | 71-000094-002                                    | 1,0          |                                                  |
| MP-686-95  | 3,2          | 71-000095-001                                    | 2,0          |                                                  | 1,25         |                                                  |
| MP-686-114 | 4,0          | 71-000114-001                                    | 2,0          |                                                  | 1,6          |                                                  |
| MP-686-115 | 5,0          | 71-000115-001                                    | 4,0          |                                                  | 2,0          |                                                  |
| MP-686-116 | 6,3          | 71-000116-001                                    | 5,0          |                                                  | 2,5          |                                                  |
| MP-686-136 | 8,0          | 71-000136-001                                    | 6,3          |                                                  | 5,0          |                                                  |
| MP-686-137 | 10,0         | 71-000137-001                                    | 8,0          |                                                  | ---          | ---                                              |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |    |     |     |     |    |
|------------|----------------|----------------|------------------|-----|----|-----|-----|-----|----|
|            |                |                | a                | b   | d  | h   | l   | l1  | d2 |
| MP-686-73  | 0,11           | 4,2            | 100              | 180 | 6  | 80  | 200 | 75  | M6 |
| MP-686-74  | 0,12           | 4,6            | 100              | 180 | 6  | 80  | 200 | 75  | M6 |
| MP-686-75  | 0,21           | 5,2            | 100              | 180 | 6  | 90  | 200 | 75  | M6 |
| MP-686-84  | 0,27           | 6,0            | 100              | 200 | 6  | 80  | 220 | 80  | M6 |
| MP-686-85  | 0,36           | 6,8            | 100              | 200 | 6  | 90  | 220 | 80  | M6 |
| MP-686-94  | 0,48           | 7,0            | 100              | 210 | 6  | 80  | 235 | 85  | M6 |
| MP-686-95  | 0,75           | 8,5            | 100              | 210 | 6  | 90  | 235 | 85  | M6 |
| MP-686-114 | 0,90           | 10,5           | 150              | 260 | 6  | 105 | 280 | 110 | M6 |
| MP-686-115 | 1,11           | 13,0           | 150              | 260 | 6  | 115 | 280 | 110 | M6 |
| MP-686-116 | 1,35           | 16,0           | 150              | 260 | 6  | 125 | 280 | 110 | M6 |
| MP-686-136 | 2,70           | 19,0           | 150              | 295 | 10 | 125 | 320 | 120 | M8 |
| MP-686-137 | 3,00           | 22,0           | 150              | 295 | 10 | 135 | 320 | 120 | M8 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

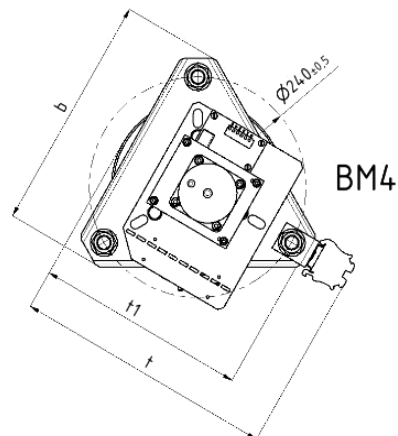
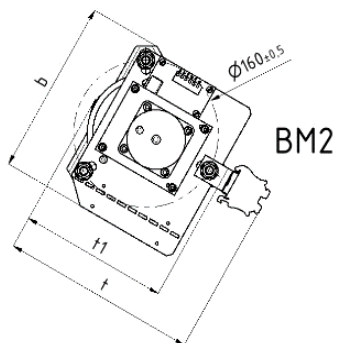
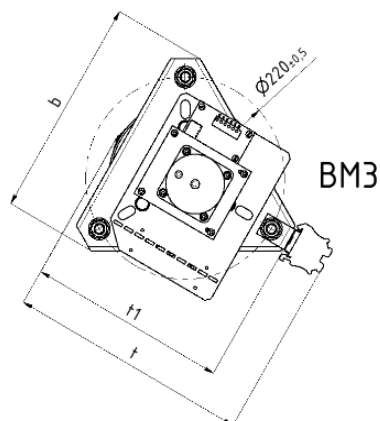
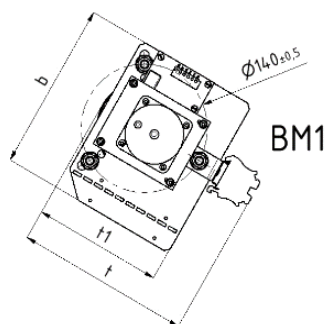
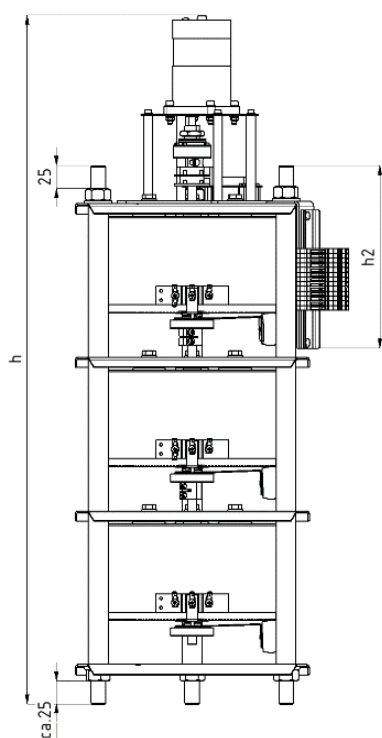
- \* Dreiphasen Ringstellspartransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* Handantrieb (Drehknopf und Skala bitte separat bestellen)
- \* im robusten Stahlgestell verbaut



Alle Artikel zur Produktgruppe MP-687

| Typ        | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MP-687-73  | 0,8          | 73-200073-001                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 0,8          | 73-200073-005                                       |
| MP-687-74  | 1,0          | 73-200074-001                                    | 0,5          | 73-200074-002                                    | ---          | ---                                              | ---          | ---                                              | 1,0          | 73-200074-005                                       |
| MP-687-75  | 1,25         | 73-200075-001                                    | 0,8          | 73-200075-002                                    | ---          | ---                                              | ---          | ---                                              | 1,25         | 73-200075-005                                       |
| MP-687-84  | 1,6          | 73-200084-001                                    | 0,8          | 73-200084-002                                    | ---          | ---                                              | ---          | ---                                              | 1,6          | 73-200084-005                                       |
| MP-687-85  | 2,0          | 73-200085-001                                    | 1,0          | 73-200085-002                                    | ---          | ---                                              | ---          | ---                                              | 2,0          | 73-200085-005                                       |
| MP-687-94  | 2,5          | 73-200094-001                                    | 1,6          | 73-200094-002                                    | 1,0          | 73-200094-003                                    | 0,8          | 73-200094-004                                    | 2,5          | 73-200094-005                                       |
| MP-687-95  | 3,2          | 73-200095-001                                    | 2,0          | 73-200095-002                                    | 1,25         | 73-200095-003                                    | 1,0          | 73-200095-004                                    | 3,2          | 73-200095-005                                       |
| MP-687-114 | 4,0          | 73-200114-001                                    | 2,0          | 73-200114-002                                    | 1,6          | 73-200114-003                                    | 1,6          | 73-200114-004                                    | 4,0          | 73-200114-005                                       |
| MP-687-115 | 5,0          | 73-200115-001                                    | 4,0          | 73-200115-002                                    | 2,0          | 73-200115-003                                    | 2,0          | 73-200115-004                                    | 5,0          | 73-200115-005                                       |
| MP-687-116 | 6,3          | 73-200116-001                                    | 5,0          | 73-200116-002                                    | 2,5          | 73-200116-003                                    | 2,5          | 73-200116-004                                    | 6,3          | 73-200116-005                                       |
| MP-687-117 | ---          | ---                                              | ---          | ---                                              | 4,0          | 73-200117-003                                    | ---          | ---                                              | ---          | ---                                                 |
| MP-687-135 | 6,3          | 73-200135-001                                    | 5,0          | 73-200135-002                                    | ---          | ---                                              | 3,2          | 73-200135-004                                    | 6,3          | 73-200135-005                                       |
| MP-687-136 | 8,0          | 73-200136-001                                    | 6,3          | 73-200136-002                                    | 5,0          | 73-200136-003                                    | 4,0          | 73-200136-004                                    | 8,0          | 73-200136-005                                       |
| MP-687-137 | 10,0         | 73-200137-001                                    | 8,0          | 73-200137-002                                    | ---          | ---                                              | 5,0          | 73-200137-004                                    | 10,0         | 73-200137-005                                       |
| MP-687-157 | 12,5         | 73-200157-001                                    | 10,0         | 73-200157-002                                    | 6,3          | 73-200157-003                                    | 6,3          | 73-200157-004                                    | 12,5         | 73-200157-005                                       |
| MP-687-178 | 16,0         | 73-200178-001                                    | 12,5         | 73-200178-002                                    | 8,0          | 73-200178-003                                    | 8,0          | 73-200178-004                                    | 16,0         | 73-200178-005                                       |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |    | M   |
|------------|----------------|----------------|---------|------------------|-----|-----|----|-----|
|            |                |                |         | b                | t   | h   | d  |     |
| MP-687-73  | 0,12           | 6,0            | BM1     | 160              | 140 | 350 | 6  | M10 |
| MP-687-74  | 0,15           | 6,0            | BM1     | 160              | 140 | 350 | 6  | M10 |
| MP-687-75  | 0,24           | 6,0            | BM1     | 160              | 140 | 370 | 6  | M10 |
| MP-687-84  | 0,27           | 7,0            | BM1     | 160              | 140 | 350 | 6  | M10 |
| MP-687-85  | 0,36           | 8,0            | BM1     | 160              | 140 | 370 | 6  | M10 |
| MP-687-94  | 0,42           | 8,0            | BM1     | 160              | 145 | 350 | 6  | M10 |
| MP-687-95  | 0,75           | 10,0           | BM1     | 160              | 145 | 370 | 6  | M10 |
| MP-687-114 | 0,90           | 12,0           | BM2     | 180              | 165 | 380 | 6  | M10 |
| MP-687-115 | 1,11           | 14,0           | BM2     | 180              | 165 | 410 | 6  | M10 |
| MP-687-116 | 1,35           | 17,0           | BM2     | 180              | 165 | 440 | 6  | M10 |
| MP-687-117 | 1,80           | 20,0           | BM2     | 180              | 165 | 450 | 6  | M10 |
| MP-687-135 | 1,65           | 21,0           | BM3     | 245              | 205 | 455 | 10 | M12 |
| MP-687-136 | 2,55           | 24,0           | BM3     | 245              | 205 | 485 | 10 | M12 |
| MP-687-137 | 3,00           | 27,0           | BM3     | 245              | 205 | 535 | 10 | M12 |
| MP-687-157 | 3,90           | 35,0           | BM3     | 245              | 220 | 535 | 10 | M12 |
| MP-687-178 | 4,80           | 44,0           | BM4     | 260              | 240 | 585 | 10 | M16 |

**Normen:**

EN 61558-2-13

Sparttransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

- \* Dreiphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* im robusten Stahlgestell verbaut
- \* mit Motorantrieb 230V 50Hz 1,0 / 2,0 / 5,0 UpM oder 24VDC 4,0 / 14,0 UpM

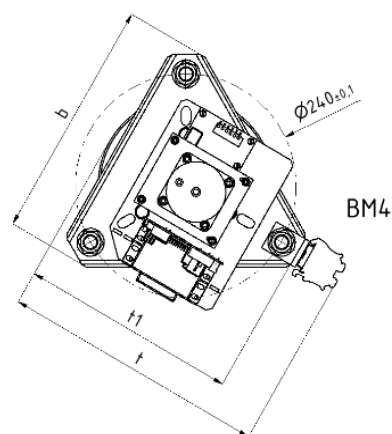
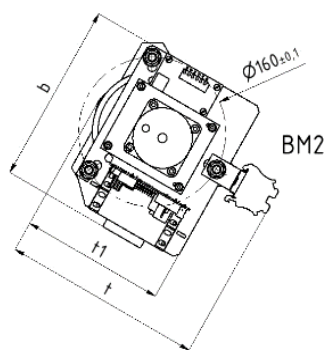
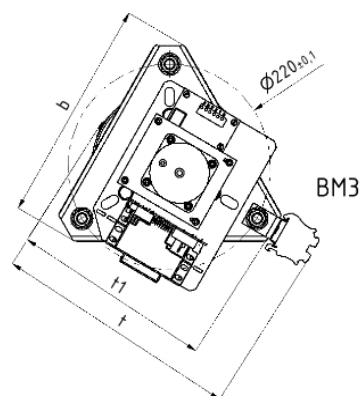
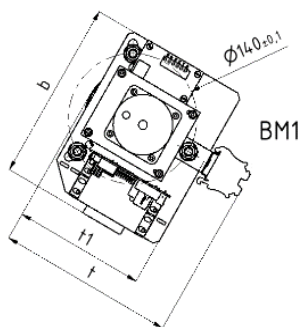
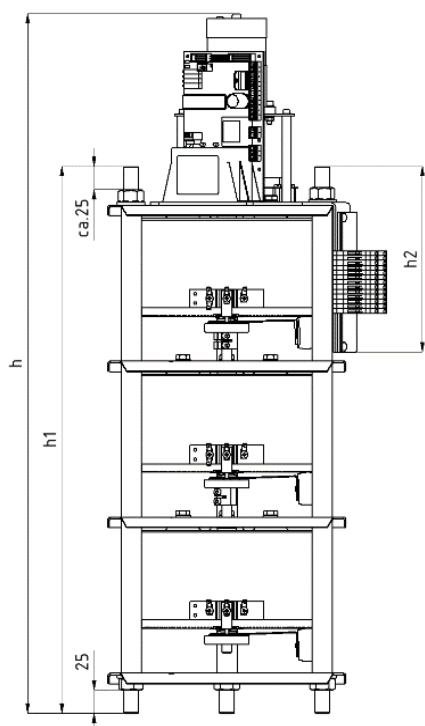




Alle Artikel zur Produktgruppe MP-706-AC-DC

| Typ        | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MP-706-73  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 0,8          |                                                     |
| MP-706-74  | 1,0          |                                                  | 0,5          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,0          |                                                     |
| MP-706-75  | 1,25         |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,25         |                                                     |
| MP-706-84  | 1,6          |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,6          |                                                     |
| MP-706-85  | 2,0          |                                                  | 1,0          |                                                  | ---          | ---                                              | ---          | ---                                              | 2,0          |                                                     |
| MP-706-94  | 2,5          |                                                  | 1,6          |                                                  | 1,0          |                                                  | 0,8          |                                                  | 2,5          |                                                     |
| MP-706-95  | 3,2          |                                                  | 2,0          |                                                  | 1,25         |                                                  | 1,0          |                                                  | 3,2          |                                                     |
| MP-706-114 | 4,0          |                                                  | 2,0          |                                                  | 1,6          |                                                  | 1,6          |                                                  | 4,0          |                                                     |
| MP-706-115 | 5,0          |                                                  | 4,0          |                                                  | 2,0          |                                                  | 2,0          |                                                  | 5,0          |                                                     |
| MP-706-116 | 6,3          |                                                  | 5,0          |                                                  | 2,5          |                                                  | 2,5          |                                                  | 6,3          |                                                     |
| MP-706-117 | ---          | ---                                              | ---          | ---                                              | 4,0          |                                                  | ---          | ---                                              | ---          | ---                                                 |
| MP-706-135 | 6,3          |                                                  | 5,0          |                                                  | ---          | ---                                              | 3,2          |                                                  | 6,3          |                                                     |
| MP-706-136 | 8,0          |                                                  | 6,3          |                                                  | 5,0          |                                                  | 4,0          |                                                  | 8,0          |                                                     |
| MP-706-137 | 10,0         |                                                  | 8,0          |                                                  | ---          | ---                                              | 5,0          |                                                  | 10,0         |                                                     |
| MP-706-157 | 12,5         |                                                  | 10,0         |                                                  | 6,3          |                                                  | 6,3          |                                                  | 12,5         |                                                     |
| MP-706-178 | 16,0         |                                                  | 12,5         |                                                  | 8,0          |                                                  | 8,0          |                                                  | 16,0         |                                                     |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |     |
|------------|----------------|----------------|---------|------------------|-----|-----|-----|
|            |                |                |         | b                | t   | h   | M   |
| MP-706-73  | 0,12           | 8,0            | BM1     | 185              | 190 | 550 | M10 |
| MP-706-74  | 0,15           | 8,0            | BM1     | 185              | 190 | 550 | M10 |
| MP-706-75  | 0,24           | 9,0            | BM1     | 185              | 190 | 570 | M10 |
| MP-706-84  | 0,27           | 9,0            | BM1     | 185              | 190 | 550 | M10 |
| MP-706-85  | 0,36           | 10,0           | BM1     | 185              | 190 | 570 | M10 |
| MP-706-94  | 0,42           | 10,0           | BM1     | 185              | 195 | 550 | M10 |
| MP-706-95  | 0,75           | 12,0           | BM1     | 185              | 195 | 570 | M10 |
| MP-706-114 | 0,90           | 14,0           | BM2     | 195              | 225 | 580 | M10 |
| MP-706-115 | 1,11           | 16,0           | BM2     | 195              | 225 | 610 | M10 |
| MP-706-116 | 1,35           | 19,0           | BM2     | 195              | 225 | 640 | M10 |
| MP-706-117 | 1,80           | 22,0           | BM2     | 195              | 225 | 660 | M10 |
| MP-706-135 | 1,65           | 23,0           | BM3     | 245              | 270 | 655 | M12 |
| MP-706-136 | 2,55           | 26,0           | BM3     | 245              | 270 | 685 | M12 |
| MP-706-137 | 3,00           | 29,0           | BM3     | 245              | 270 | 735 | M12 |
| MP-706-157 | 3,90           | 37,0           | BM3     | 245              | 295 | 735 | M12 |
| MP-706-178 | 4,80           | 46,0           | BM4     | 260              | 305 | 785 | M16 |

**Normen:**

EN 61558-2-13

Sparttransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

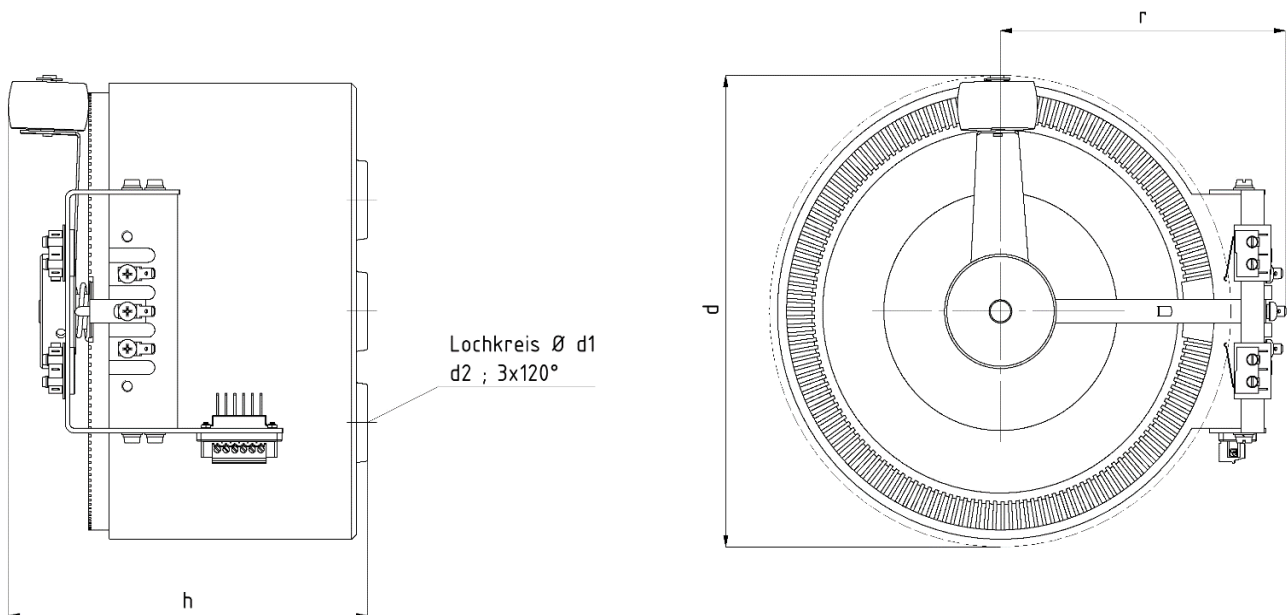
- \* Dreiphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* im robusten Stahlgestell verbaut
- \* mit Regelelektronik MPRP2010 und DC-Motor 14,0 UpM



Alle Artikel zur Produktgruppe MPRP-706

| Typ          | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|--------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MPRP-706-73  | 0,8          | 93-200073-001                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 0,8          |                                                     |
| MPRP-706-74  | 1,0          |                                                  | 0,5          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,0          |                                                     |
| MPRP-706-75  | 1,25         |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,25         |                                                     |
| MPRP-706-84  | 1,6          |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,6          |                                                     |
| MPRP-706-85  | 2,0          | 93-200085-011                                    | 1,0          |                                                  | ---          | ---                                              | ---          | ---                                              | 2,0          |                                                     |
| MPRP-706-94  | 2,5          | 93-200094-011                                    | 1,6          |                                                  | 1,0          | 93-200094-013                                    | 0,8          |                                                  | 2,5          |                                                     |
| MPRP-706-95  | 3,2          | 93-200095-011                                    | 2,0          |                                                  | 1,25         |                                                  | 1,0          |                                                  | 3,2          |                                                     |
| MPRP-706-114 | 4,0          | 93-200114-001                                    | 2,0          |                                                  | 1,6          |                                                  | 1,6          |                                                  | 4,0          |                                                     |
| MPRP-706-115 | 5,0          |                                                  | 4,0          |                                                  | 2,0          |                                                  | 2,0          |                                                  | 5,0          |                                                     |
| MPRP-706-116 | 6,3          | 93-200116-001                                    | 5,0          |                                                  | 2,5          |                                                  | 2,5          |                                                  | 6,3          |                                                     |
| MPRP-706-117 | ---          | ---                                              | ---          | ---                                              | 4,0          |                                                  | ---          | ---                                              | ---          | ---                                                 |
| MPRP-706-135 | 6,3          |                                                  | 5,0          |                                                  | ---          | ---                                              | 3,2          |                                                  | 6,3          |                                                     |
| MPRP-706-136 | 8,0          |                                                  | 6,3          |                                                  | 5,0          |                                                  | 4,0          |                                                  | 8,0          | 93-200136-102                                       |
| MPRP-706-137 | 10,0         | 93-200137-001                                    | 8,0          |                                                  | ---          | ---                                              | 5,0          |                                                  | 10,0         | 93-200137-005                                       |
| MPRP-706-157 | 12,5         | 93-200157-101                                    | 10,0         |                                                  | 6,3          |                                                  | 6,3          |                                                  | 12,5         |                                                     |
| MPRP-706-178 | 16,0         | 93-200178-101                                    | 12,5         | 93-200178-002                                    | 8,0          | 93-200178-003                                    | 8,0          |                                                  | 16,0         | 93-200178-102                                       |

| Typ          | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |     |
|--------------|----------------|----------------|---------|------------------|-----|-----|-----|
|              |                |                |         | b                | t   | h   | M   |
| MPRP-706-73  | 0,12           | 8,0            | BM1     | 185              | 190 | 550 | M10 |
| MPRP-706-74  | 0,15           | 8,0            | BM1     | 185              | 190 | 550 | M10 |
| MPRP-706-75  | 0,24           | 9,0            | BM1     | 185              | 190 | 570 | M10 |
| MPRP-706-84  | 0,27           | 9,0            | BM1     | 185              | 190 | 550 | M10 |
| MPRP-706-85  | 0,36           | 10,0           | BM1     | 185              | 190 | 570 | M10 |
| MPRP-706-94  | 0,42           | 10,0           | BM1     | 185              | 195 | 550 | M10 |
| MPRP-706-95  | 0,75           | 12,0           | BM1     | 185              | 195 | 570 | M10 |
| MPRP-706-114 | 0,90           | 14,0           | BM2     | 195              | 225 | 580 | M10 |
| MPRP-706-115 | 1,11           | 16,0           | BM2     | 195              | 225 | 610 | M10 |
| MPRP-706-116 | 1,35           | 19,0           | BM2     | 195              | 225 | 640 | M10 |
| MPRP-706-117 | 1,80           | 22,0           | BM2     | 195              | 225 | 660 | M10 |
| MPRP-706-135 | 1,65           | 23,0           | BM3     | 245              | 270 | 655 | M12 |
| MPRP-706-136 | 2,55           | 26,0           | BM3     | 245              | 270 | 685 | M12 |
| MPRP-706-137 | 3,00           | 29,0           | BM3     | 245              | 270 | 735 | M12 |
| MPRP-706-157 | 3,90           | 37,0           | BM3     | 245              | 295 | 735 | M12 |
| MPRP-706-178 | 4,80           | 46,0           | BM4     | 260              | 305 | 785 | M16 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

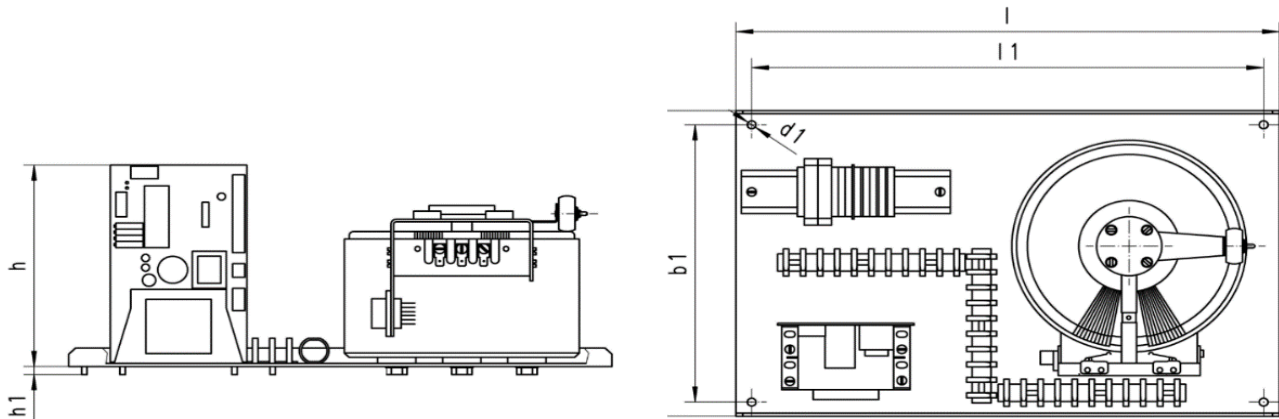
- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* mit innenliegendem DC-Motor 14,0 UpM



Alle Artikel zur Produktgruppe MP-715

| Typ        | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MP-715-84  | 1,6          | 67-200084-081                              | 0,8          |                                            | ---          | ---                                        | ---          | ---                                        | 1,6          |                                               |
| MP-715-85  | 2,0          | 67-200085-081                              | 1,0          |                                            | ---          | ---                                        | ---          | ---                                        | 2,0          |                                               |
| MP-715-86  | 2,5          |                                            | 2,0          |                                            | ---          | ---                                        | ---          | ---                                        | 2,5          |                                               |
| MP-715-94  | 2,5          | 67-200094-081                              | 1,6          |                                            | 1,0          |                                            | 0,8          |                                            | 2,5          |                                               |
| MP-715-95  | 3,2          | 67-200095-081                              | 2,0          |                                            | 1,25         |                                            | 1,0          |                                            | 3,2          |                                               |
| MP-715-96  | ---          | ---                                        | 2,5          |                                            | 1,6          |                                            | 1,25         |                                            | ---          | ---                                           |
| MP-715-97  | 4,0          |                                            | 3,2          |                                            | ---          | ---                                        | ---          | ---                                        | 4,0          |                                               |
| MP-715-114 | 4,0          |                                            | 2,0          |                                            | 1,6          |                                            | 1,6          |                                            | 4,0          |                                               |
| MP-715-115 | 5,0          | 67-200115-081                              | 4,0          |                                            | 2,0          |                                            | 2,0          |                                            | 5,0          |                                               |
| MP-715-116 | 6,3          | 67-200116-081                              | 5,0          |                                            | 3,2          |                                            | 2,5          |                                            | 6,3          |                                               |
| MP-715-117 | 8,0          |                                            | ---          | ---                                        | 4,0          |                                            | ---          | ---                                        | 8,0          |                                               |
| MP-715-135 | 6,3          |                                            | 5,0          |                                            | ---          | ---                                        | 3,2          |                                            | 6,3          |                                               |
| MP-715-136 | 8,0          |                                            | 6,3          |                                            | 5,0          | 67-200136-083                              | 4,0          | 67-200136-084                              | 8,0          |                                               |
| MP-715-137 | 10,0         |                                            | 8,0          |                                            | ---          | ---                                        | 5,0          |                                            | 10,0         | 67-200137-085                                 |
| MP-715-157 | 12,5         |                                            | 10,0         |                                            | 6,3          |                                            | 6,3          |                                            | 12,5         |                                               |
| MP-715-178 | 16,0         |                                            | 12,5         |                                            | 8,0          |                                            | 8,0          |                                            | 16,0         |                                               |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |     |     |     |
|------------|----------------|----------------|------------------|-----|-----|-----|-----|
|            |                |                | h                | d   | r   | d1  | d2  |
| MP-715-84  | 0,09           | 1,9            | 105              | 98  | 70  | 60  | M 4 |
| MP-715-85  | 0,12           | 2,2            | 105              | 98  | 70  | 60  | M 4 |
| MP-715-86  | 0,16           | 2,4            | 105              | 98  | 70  | 60  | M 4 |
| MP-715-94  | 0,16           | 2,5            | 105              | 110 | 72  | 80  | M 4 |
| MP-715-95  | 0,25           | 2,8            | 105              | 110 | 72  | 80  | M 4 |
| MP-715-96  | 0,30           | 3,2            | 110              | 110 | 72  | 80  | M 4 |
| MP-715-97  | 0,37           | 3,6            | 110              | 110 | 72  | 80  | M 4 |
| MP-715-114 | 0,30           | 3,6            | 120              | 132 | 84  | 80  | M 6 |
| MP-715-115 | 0,37           | 4,3            | 120              | 132 | 84  | 80  | M 6 |
| MP-715-116 | 0,45           | 5,0            | 120              | 132 | 84  | 80  | M 6 |
| MP-715-117 | 0,60           | 5,5            | 125              | 132 | 84  | 80  | M 6 |
| MP-715-135 | 0,70           | 5,6            | 132              | 150 | 97  | 110 | M 8 |
| MP-715-136 | 0,90           | 6,6            | 136              | 150 | 97  | 110 | M 8 |
| MP-715-137 | 1,00           | 7,7            | 136              | 150 | 97  | 110 | M 8 |
| MP-715-157 | 1,20           | 10,0           | 140              | 172 | 104 | 110 | M 8 |
| MP-715-178 | 1,60           | 14,0           | 160              | 195 | 123 | 110 | M 8 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

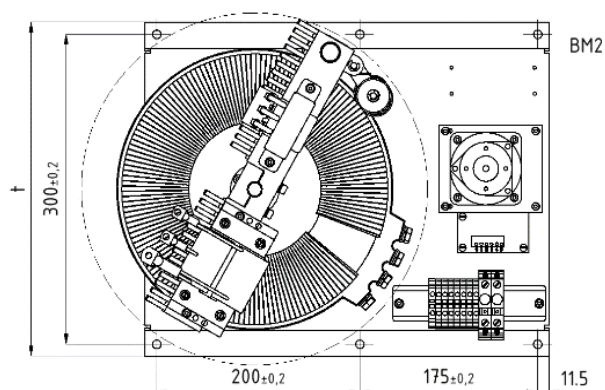
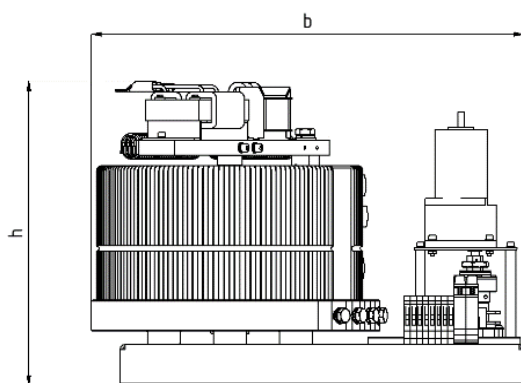
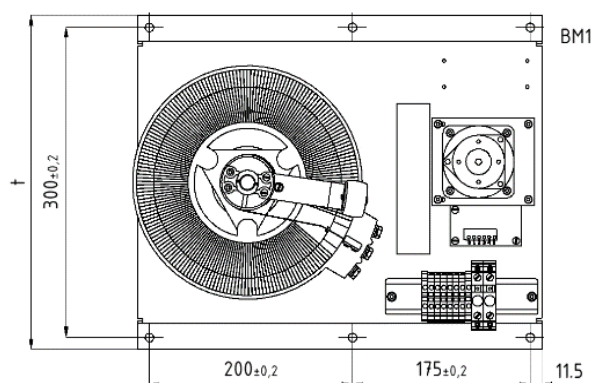
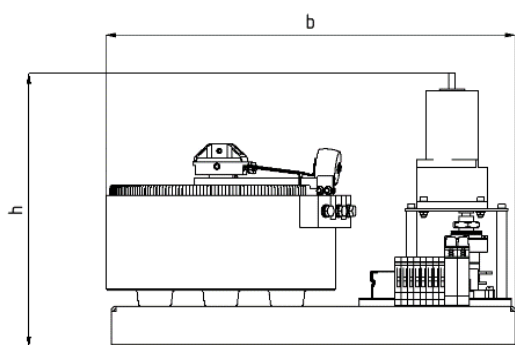
- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise / auf Einschub montiert
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* mit Regelelektronik MPRP2010 und innenliegendem DC-Motor 14,0 UpM



Alle Artikel zur Produktgruppe MPRP-757

| Typ          | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|--------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MPRP-757-84  | 1,6          |                                            | 0,8          |                                            | ---          | ---                                        | ---          | ---                                        | 1,6          |                                               |
| MPRP-757-85  | 2,0          | 91-200085-081                              | 1,0          |                                            | ---          | ---                                        | ---          | ---                                        | 2,0          |                                               |
| MPRP-757-86  | 2,5          | 91-200086-081                              | 2,0          |                                            | ---          | ---                                        | ---          | ---                                        | 2,5          | 91-200086-085                                 |
| MPRP-757-94  | 2,5          |                                            | 1,6          |                                            | 1,0          |                                            | 0,8          |                                            | 2,5          |                                               |
| MPRP-757-95  | 3,2          |                                            | 2,0          |                                            | 1,25         |                                            | 1,0          |                                            | 3,2          | 91-200095-085                                 |
| MPRP-757-96  | ---          | ---                                        | 2,5          |                                            | 1,6          |                                            | 1,25         |                                            | ---          | ---                                           |
| MPRP-757-97  | 4,0          | 91-200097-001                              | 3,2          |                                            | ---          | ---                                        | ---          | ---                                        | 4,0          | 91-200097-101                                 |
| MPRP-757-114 | 4,0          |                                            | 2,0          |                                            | 1,6          |                                            | 1,6          |                                            | 4,0          |                                               |
| MPRP-757-115 | 5,0          | 91-200115-081                              | 4,0          |                                            | 2,0          |                                            | 2,0          |                                            | 5,0          |                                               |
| MPRP-757-116 | 6,3          |                                            | 5,0          |                                            | 3,2          |                                            | 2,5          |                                            | 6,3          | 91-200116-005                                 |
| MPRP-757-117 | 8,0          |                                            | ---          | ---                                        | 4,0          |                                            | ---          | ---                                        | 8,0          |                                               |
| MPRP-757-135 | 6,3          |                                            | 5,0          |                                            | ---          | ---                                        | 3,2          |                                            | 6,3          |                                               |
| MPRP-757-136 | 8,0          |                                            | 6,3          |                                            | 5,0          | 91-200136-083                              | 4,0          |                                            | 8,0          |                                               |
| MPRP-757-137 | 10,0         |                                            | 8,0          | 91-200137-106                              | ---          | ---                                        | 5,0          |                                            | 10,0         | 91-200137-102                                 |
| MPRP-757-157 | 12,5         | 91-200157-081                              | 10,0         | 91-200157-082                              | 6,3          | 91-200157-083                              | 6,3          |                                            | 12,5         | 91-200157-085                                 |
| MPRP-757-178 | 16,0         | 91-200178-081                              | 12,5         | 91-200178-082                              | 8,0          | 91-200178-083                              | 8,0          | 91-200178-084                              | 16,0         |                                               |

| Typ          | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |     |     |     |     |     |
|--------------|----------------|----------------|------------------|-----|-----|-----|-----|-----|-----|
|              |                |                | l                | l1  | b   | b1  | h   | h1  | d1  |
| MPRP-757-84  | 0,09           | 4,2            | 273              | 250 | 173 | 150 | 170 | 6,0 | 6,5 |
| MPRP-757-85  | 0,12           | 4,5            | 273              | 250 | 173 | 150 | 170 | 6,0 | 6,5 |
| MPRP-757-86  | 0,16           | 4,7            | 273              | 250 | 173 | 150 | 170 | 6,0 | 6,5 |
| MPRP-757-94  | 0,16           | 4,8            | 273              | 250 | 173 | 150 | 170 | 6,0 | 6,5 |
| MPRP-757-95  | 0,25           | 5,1            | 273              | 250 | 173 | 150 | 170 | 6,0 | 6,5 |
| MPRP-757-96  | 0,30           | 5,5            | 273              | 250 | 173 | 150 | 170 | 6,0 | 6,5 |
| MPRP-757-97  | 0,37           | 5,9            | 273              | 250 | 173 | 150 | 170 | 6,0 | 6,5 |
| MPRP-757-114 | 0,30           | 6,7            | 323              | 300 | 198 | 175 | 170 | 6,0 | 6,5 |
| MPRP-757-115 | 0,37           | 7,4            | 323              | 300 | 198 | 175 | 170 | 6,0 | 6,5 |
| MPRP-757-116 | 0,45           | 8,1            | 323              | 300 | 198 | 175 | 170 | 6,0 | 6,5 |
| MPRP-757-117 | 0,60           | 8,7            | 323              | 300 | 198 | 175 | 170 | 6,0 | 6,5 |
| MPRP-757-135 | 0,70           | 8,8            | 323              | 300 | 198 | 175 | 170 | 8,0 | 6,5 |
| MPRP-757-136 | 0,90           | 9,8            | 323              | 300 | 198 | 175 | 170 | 8,0 | 6,5 |
| MPRP-757-137 | 1,00           | 10,9           | 323              | 300 | 198 | 175 | 170 | 8,0 | 6,5 |
| MPRP-757-157 | 1,20           | 14,3           | 398              | 375 | 248 | 225 | 170 | 8,0 | 6,5 |
| MPRP-757-178 | 1,60           | 18,5           | 398              | 375 | 248 | 225 | 170 | 8,0 | 6,5 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise / auf Einschub montiert
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* mit Motorantrieb 230V 50Hz 1,0 / 2,0 / 5,0 UpM oder 24VDC 4,0 / 14,0 UpM

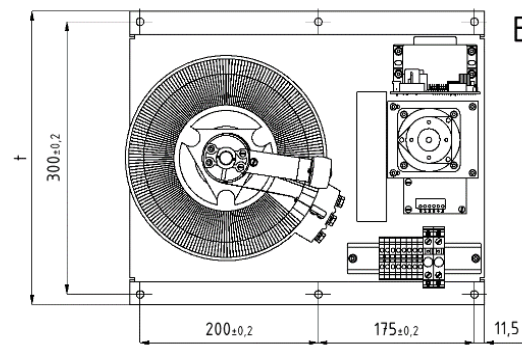
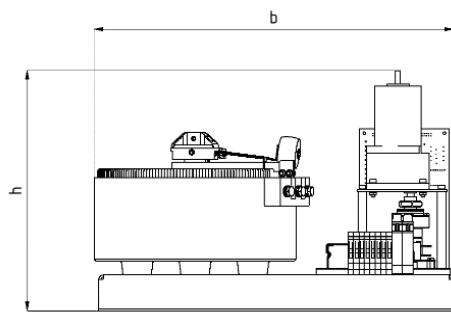




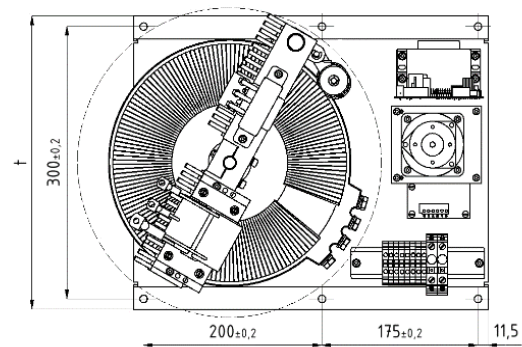
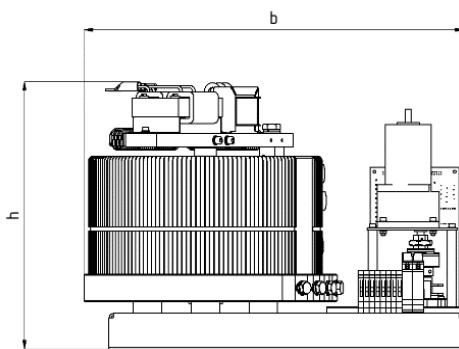
Alle Artikel zur Produktgruppe MP-758-AC-DC

| Typ         | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|-------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MP-758-217  | 20,0         |                                            | ---          | ---                                        | ---          | ---                                        | 10,0         |                                            | 20,0         |                                               |
| MP-758-218  | ---          | ---                                        | 16,0         |                                            | 10,0         |                                            | ---          | ---                                        | ---          | ---                                           |
| MP-758-257  | 25,0         |                                            | ---          | ---                                        | 12,5         |                                            | 12,5         |                                            | 25,0         |                                               |
| MP-758-258  | ---          | ---                                        | 20,0         |                                            | 16,0         |                                            | 16,0         |                                            | ---          | ---                                           |
| MP-758-297  | ---          | ---                                        | 25,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-758-298  | ---          | ---                                        | ---          | ---                                        | 20,0         |                                            | ---          | ---                                        | ---          | ---                                           |
| MP-758-358  | ---          | ---                                        | ---          | ---                                        | 25,0         |                                            | 20,0         |                                            | ---          | ---                                           |
| MP-758-2507 | 32,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          |                                            | 32,0         |                                               |
| MP-758-2907 | 40,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          |                                            | 40,0         |                                               |
| MP-758-2908 | ---          | ---                                        | 32,0         |                                            | ---          | ---                                        | ---          |                                            | ---          | ---                                           |
| MP-758-2512 | 50,0         |                                            | 40,0         |                                            | ---          | ---                                        | ---          |                                            | 50,0         |                                               |
| MP-758-2912 | 63,0         |                                            | 50,0         |                                            | 32,0         |                                            | 40,0         |                                            | 63,0         |                                               |
| MP-758-3512 | 75,0         |                                            | ---          | ---                                        | 40,0         |                                            | ---          | ---                                        | 75,0         |                                               |
| MP-758-3515 | 100,0        |                                            | 63,0         |                                            | 63,0         |                                            | 50,0         |                                            | 100,0        |                                               |
| MP-758-3518 | 125,0        |                                            | 100,0        |                                            | 80,0         |                                            | 63,0         |                                            | 125,0        |                                               |

| Typ         | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |     | Maßbild |
|-------------|----------------|----------------|------------------|-----|-----|---------|
|             |                |                | b                | t   | h   |         |
| MP-758-217  | 2,2            | 22,0           | 325              | 415 | 255 | BM1     |
| MP-758-218  | 2,4            | 24,0           | 325              | 415 | 255 | BM1     |
| MP-758-257  | 3,1            | 25,0           | 325              | 435 | 255 | BM1     |
| MP-758-258  | 3,3            | 27,0           | 325              | 435 | 255 | BM1     |
| MP-758-297  | 4,5            | 33,0           | 325              | 455 | 255 | BM1     |
| MP-758-298  | 4,8            | 35,0           | 325              | 455 | 255 | BM1     |
| MP-758-358  | 5,6            | 43,0           | 390              | 570 | 255 | BM2     |
| MP-758-2507 | 3,5            | 30,0           | 370              | 560 | 265 | BM2     |
| MP-758-2508 | 3,9            | 33,0           | 370              | 560 | 275 | BM2     |
| MP-758-2907 | 4,5            | 36,0           | 410              | 570 | 265 | BM2     |
| MP-758-2908 | 4,7            | 38,0           | 410              | 570 | 275 | BM2     |
| MP-758-2512 | 6,0            | 49,0           | 370              | 560 | 330 | BM2     |
| MP-758-2912 | 8,0            | 55,0           | 410              | 570 | 330 | BM2     |
| MP-758-3510 | 11,0           | 64,0           | 470              | 610 | 300 | BM2     |
| MP-758-3512 | 12,5           | 70,0           | 470              | 610 | 340 | BM2     |
| MP-758-3515 | 14,0           | 89,0           | 470              | 610 | 390 | BM2     |
| MP-758-3518 | 16,3           | 101,0          | 470              | 610 | 440 | BM2     |
| MP-758-3520 | 19,5           | 110,0          | 470              | 610 | 475 | BM2     |
| MP-758-3524 | 22,5           | 136,0          | 470              | 610 | 545 | BM2     |



BM1



BM2

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

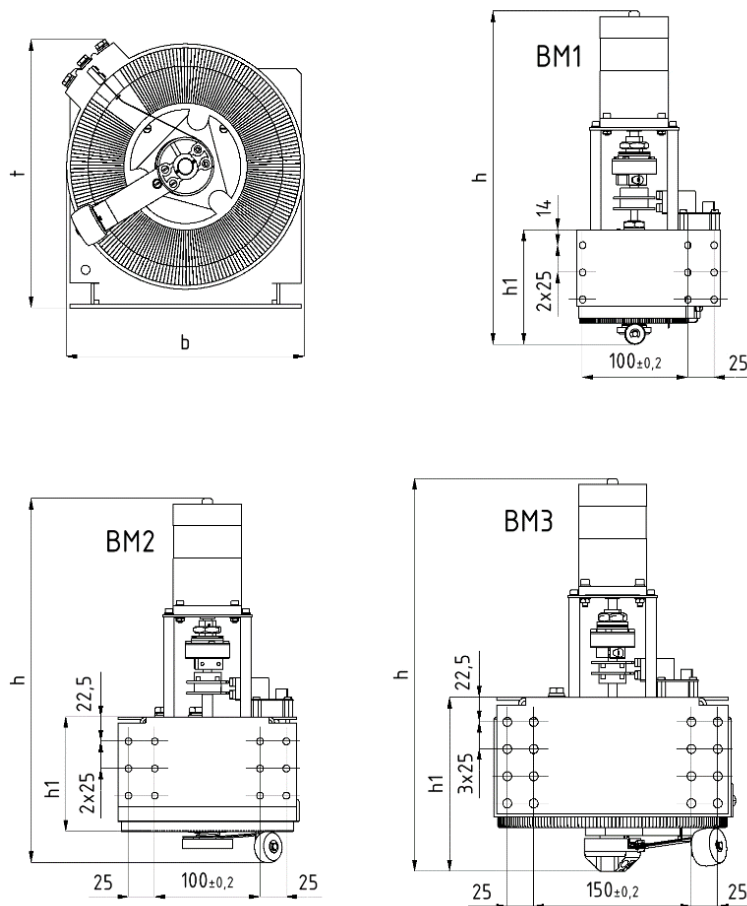
- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise / auf Einschub montiert
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* mit Regelelektronik MPRP2010 und DC-Motor 14,0 UpM



Alle Artikel zur Produktgruppe MPRP-758

| Typ           | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|---------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MPRP-758-217  | 20,0         |                                            | ---          | ---                                        | ---          | ---                                        | 10,0         | 91-200217-103                              | 20,0         |                                               |
| MPRP-758-218  | ---          | ---                                        | 16,0         | 91-200218-104                              | 10,0         |                                            | ---          | ---                                        | ---          | ---                                           |
| MPRP-758-257  | 25,0         |                                            | ---          | ---                                        | 12,5         |                                            | 12,5         | 91-200257-103                              | 25,0         |                                               |
| MPRP-758-258  | ---          | ---                                        | 20,0         |                                            | 16,0         | 91-200258-024                              | 16,0         |                                            | ---          | ---                                           |
| MPRP-758-297  | ---          | ---                                        | 25,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MPRP-758-298  | ---          | ---                                        | ---          | ---                                        | 20,0         |                                            | ---          | ---                                        | ---          | ---                                           |
| MPRP-758-358  | ---          | ---                                        | ---          | ---                                        | 25,0         |                                            | 20,0         | 91-200358-004                              | ---          | ---                                           |
| MPRP-758-2507 | 32,0         | 91-202507-106                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 32,0         |                                               |
| MPRP-758-2907 | 40,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 40,0         |                                               |
| MPRP-758-2908 | ---          | ---                                        | 32,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MPRP-758-2512 | 50,0         |                                            | 40,0         | 91-202512-105                              | ---          | ---                                        | ---          | ---                                        | 50,0         |                                               |
| MPRP-758-2912 | 63,0         | 91-202912-111                              | 50,0         |                                            | 32,0         | 91-202912-110                              | 40,0         |                                            | 63,0         |                                               |
| MPRP-758-3512 | 75,0         |                                            | ---          | ---                                        | 40,0         |                                            | ---          | ---                                        | 75,0         |                                               |
| MPRP-758-3515 | 100,0        |                                            | 63,0         |                                            | 63,0         |                                            | 50,0         |                                            | 100,0        |                                               |
| MPRP-758-3518 | 125,0        |                                            | 100,0        |                                            | 80,0         |                                            | 63,0         | 91-203518-105                              | 125,0        |                                               |

| Typ           | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |     | Maßbild |
|---------------|----------------|----------------|------------------|-----|-----|---------|
|               |                |                | b                | t   | h   |         |
| MPRP-758-217  | 2,2            | 22,0           | 325              | 415 | 255 | BM1     |
| MPRP-758-218  | 2,4            | 24,0           | 325              | 415 | 255 | BM1     |
| MPRP-758-257  | 3,1            | 25,0           | 325              | 435 | 255 | BM1     |
| MPRP-758-258  | 3,3            | 27,0           | 325              | 435 | 255 | BM1     |
| MPRP-758-297  | 4,5            | 33,0           | 325              | 455 | 255 | BM1     |
| MPRP-758-298  | 4,8            | 35,0           | 325              | 455 | 255 | BM1     |
| MPRP-758-358  | 5,6            | 43,0           | 390              | 570 | 255 | BM2     |
| MPRP-758-2507 | 3,5            | 30,0           | 370              | 560 | 265 | BM2     |
| MPRP-758-2508 | 3,9            | 33,0           | 370              | 560 | 275 | BM2     |
| MPRP-758-2907 | 4,5            | 36,0           | 410              | 570 | 265 | BM2     |
| MPRP-758-2908 | 4,7            | 38,0           | 410              | 570 | 275 | BM2     |
| MPRP-758-2512 | 6,0            | 49,0           | 370              | 560 | 330 | BM2     |
| MPRP-758-2912 | 8,0            | 55,0           | 410              | 570 | 330 | BM2     |
| MPRP-758-3510 | 11,0           | 64,0           | 470              | 610 | 300 | BM2     |
| MPRP-758-3512 | 12,5           | 70,0           | 470              | 610 | 340 | BM2     |
| MPRP-758-3515 | 14,0           | 89,0           | 470              | 610 | 390 | BM2     |
| MPRP-758-3518 | 16,3           | 101,0          | 470              | 610 | 440 | BM2     |
| MPRP-758-3520 | 19,5           | 110,0          | 470              | 610 | 475 | BM2     |
| MPRP-758-3524 | 22,5           | 136,0          | 470              | 610 | 545 | BM2     |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

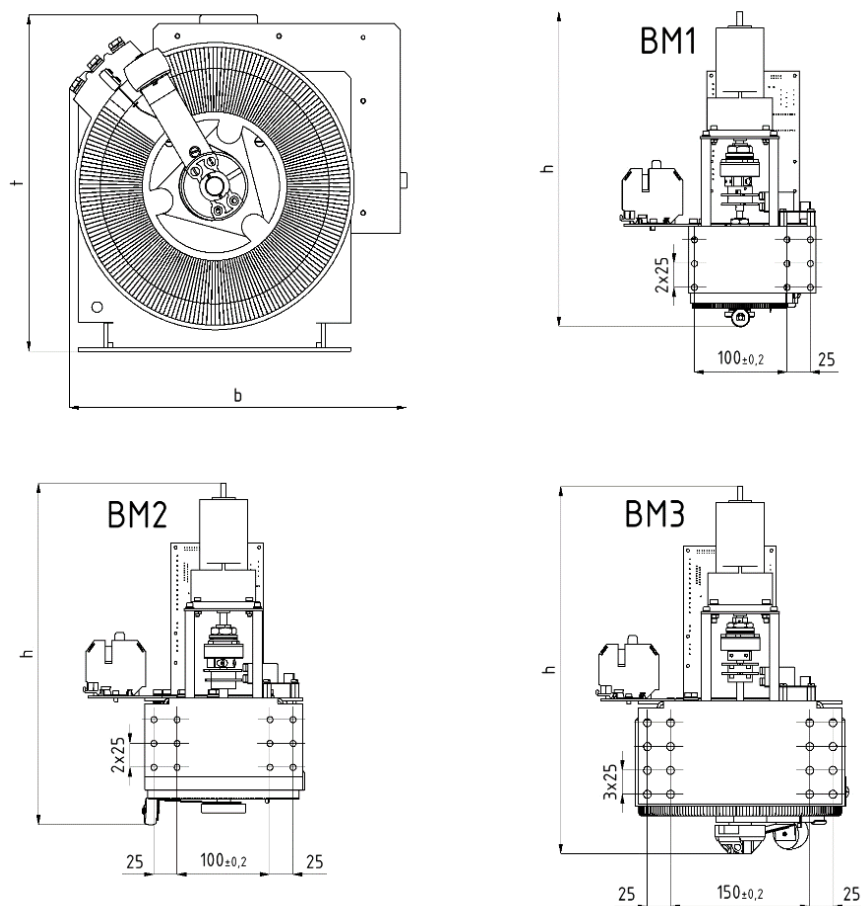
- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise / Winkelaufbau
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur  $40^\circ\text{C}$  ( $t_a$   $40^\circ\text{C/B}$ )
- \* auf Winkel verbaut
- \* mit Motorantrieb 230V 50Hz 1,0 / 2,0 / 5,0 UpM oder 24VDC 4,0 / 14,0 UpM



Alle Artikel zur Produktgruppe MP-764-AC-DC

| Typ        | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MP-764-73  | 0,8          |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 0,8          |                                               |
| MP-764-74  | 1,0          |                                            | 0,5          |                                            | ---          | ---                                        | ---          | ---                                        | 1,0          |                                               |
| MP-764-75  | 1,25         |                                            | 0,8          |                                            | ---          | ---                                        | ---          | ---                                        | 1,25         |                                               |
| MP-764-84  | 1,6          |                                            | 0,8          |                                            | ---          | ---                                        | ---          | ---                                        | 1,6          |                                               |
| MP-764-85  | 2,0          |                                            | 1,0          |                                            | ---          | ---                                        | ---          | ---                                        | 2,0          |                                               |
| MP-764-94  | 2,5          |                                            | 1,6          |                                            | 1,0          |                                            | 0,8          |                                            | 2,5          |                                               |
| MP-764-95  | 3,2          |                                            | 2,0          |                                            | 1,25         |                                            | 1,0          |                                            | 3,2          |                                               |
| MP-764-114 | 4,0          |                                            | 2,0          |                                            | 1,6          |                                            | 1,6          |                                            | 4,0          |                                               |
| MP-764-115 | 5,0          |                                            | 4,0          |                                            | 2,0          |                                            | 2,0          |                                            | 5,0          |                                               |
| MP-764-116 | 6,3          |                                            | 5,0          |                                            | 2,5          |                                            | 2,5          |                                            | 6,3          |                                               |
| MP-764-117 | 8,0          |                                            | ---          | ---                                        | 4,0          |                                            | ---          | ---                                        | 8,0          |                                               |
| MP-764-135 | 6,3          |                                            | 5,0          |                                            | ---          | ---                                        | 3,2          |                                            | 6,3          |                                               |
| MP-764-136 | 8,0          |                                            | 6,3          |                                            | 5,0          |                                            | 4,0          |                                            | 8,0          |                                               |
| MP-764-137 | 10,0         |                                            | 8,0          |                                            | ---          | ---                                        | 5,0          |                                            | 10,0         |                                               |
| MP-764-157 | 12,5         |                                            | 10,0         |                                            | 6,3          |                                            | 6,3          |                                            | 12,5         |                                               |
| MP-764-178 | 16,0         |                                            | 12,5         |                                            | 8,0          |                                            | 8,0          |                                            | 16,0         |                                               |
| MP-764-217 | 20,0         |                                            | ---          | ---                                        | ---          | ---                                        | 10,0         |                                            | 20,0         |                                               |
| MP-764-218 | ---          | ---                                        | 16,0         |                                            | 10,0         |                                            | ---          | ---                                        | ---          | ---                                           |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |
|------------|----------------|----------------|---------|------------------|-----|-----|
|            |                |                |         | b                | t   | h   |
| MP-764-73  | 0,04           | 4,8            | BM1     | 207              | 185 | 285 |
| MP-764-74  | 0,05           | 4,9            | BM1     | 207              | 185 | 290 |
| MP-764-75  | 0,08           | 5,2            | BM1     | 207              | 185 | 300 |
| MP-764-84  | 0,09           | 5,3            | BM1     | 207              | 185 | 290 |
| MP-764-85  | 0,12           | 5,6            | BM1     | 207              | 185 | 300 |
| MP-764-94  | 0,14           | 5,8            | BM1     | 207              | 185 | 290 |
| MP-764-95  | 0,25           | 6,3            | BM1     | 207              | 185 | 300 |
| MP-764-114 | 0,30           | 6,9            | BM2     | 240              | 240 | 310 |
| MP-764-115 | 0,37           | 7,7            | BM2     | 240              | 240 | 320 |
| MP-764-116 | 0,45           | 8,5            | BM2     | 240              | 240 | 330 |
| MP-764-117 | 0,60           | 9,3            | BM2     | 240              | 240 | 350 |
| MP-764-135 | 0,55           | 8,7            | BM2     | 240              | 240 | 340 |
| MP-764-136 | 0,85           | 9,7            | BM2     | 240              | 240 | 350 |
| MP-764-137 | 1,00           | 10,9           | BM2     | 240              | 240 | 360 |
| MP-764-157 | 1,30           | 13,3           | BM2     | 240              | 240 | 360 |
| MP-764-178 | 1,60           | 17,0           | BM3     | 290              | 285 | 380 |
| MP-764-217 | 2,20           | 19,5           | BM3     | 290              | 285 | 380 |
| MP-764-218 | 2,40           | 21,5           | BM3     | 290              | 285 | 390 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

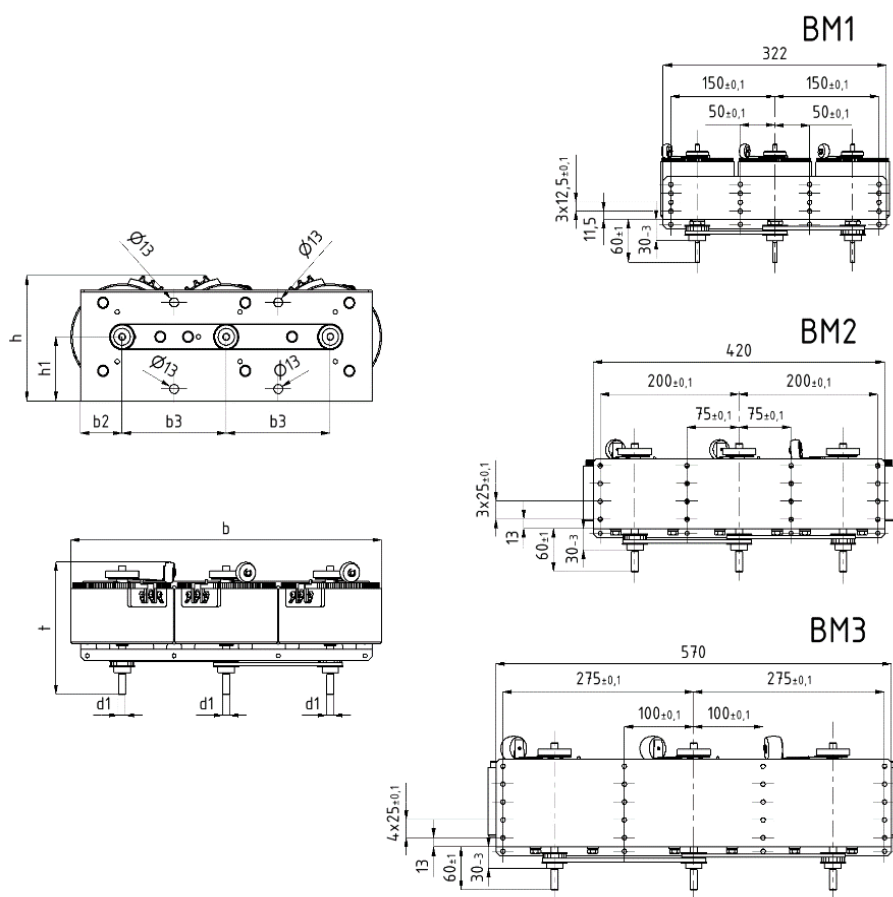
- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise / Winkelaufbau
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* auf Winkel verbaut
- \* mit Regelelektronik MPRP2010 und DC-Motor 14,0 UpM



Alle Artikel zur Produktgruppe MPRP-764

| Typ          | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|--------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MPRP-764-73  | 0,8          |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 0,8          |                                               |
| MPRP-764-74  | 1,0          |                                            | 0,5          |                                            | ---          | ---                                        | ---          | ---                                        | 1,0          |                                               |
| MPRP-764-75  | 1,25         |                                            | 0,8          |                                            | ---          | ---                                        | ---          | ---                                        | 1,25         |                                               |
| MPRP-764-84  | 1,6          |                                            | 0,8          |                                            | ---          | ---                                        | ---          | ---                                        | 1,6          |                                               |
| MPRP-764-85  | 2,0          |                                            | 1,0          |                                            | ---          | ---                                        | ---          | ---                                        | 2,0          |                                               |
| MPRP-764-94  | 2,5          |                                            | 1,6          |                                            | 1,0          |                                            | 0,8          |                                            | 2,5          |                                               |
| MPRP-764-95  | 3,2          |                                            | 2,0          |                                            | 1,25         |                                            | 1,0          |                                            | 3,2          |                                               |
| MPRP-764-114 | 4,0          |                                            | 2,0          |                                            | 1,6          |                                            | 1,6          |                                            | 4,0          |                                               |
| MPRP-764-115 | 5,0          |                                            | 4,0          |                                            | 2,0          |                                            | 2,0          |                                            | 5,0          | 91-200115-101                                 |
| MPRP-764-116 | 6,3          |                                            | 5,0          |                                            | 2,5          | 91-200116-003                              | 2,5          |                                            | 6,3          |                                               |
| MPRP-764-117 | 8,0          |                                            | ---          | ---                                        | 4,0          | 91-200117-003                              | ---          | ---                                        | 8,0          | 91-200117-005                                 |
| MPRP-764-135 | 6,3          |                                            | 5,0          |                                            | ---          | ---                                        | 3,2          |                                            | 6,3          |                                               |
| MPRP-764-136 | 8,0          | 91-200136-001                              | 6,3          | 91-200136-002                              | 5,0          |                                            | 4,0          | 91-200136-004                              | 8,0          |                                               |
| MPRP-764-137 | 10,0         | 91-200137-001                              | 8,0          |                                            | ---          | ---                                        | 5,0          | 91-200137-004                              | 10,0         | 91-200137-101                                 |
| MPRP-764-157 | 12,5         |                                            | 10,0         |                                            | 6,3          | 91-200157-003                              | 6,3          |                                            | 12,5         |                                               |
| MPRP-764-178 | 16,0         | 91-200178-001                              | 12,5         | 91-200178-002                              | 8,0          |                                            | 8,0          | 91-200178-105                              | 16,0         |                                               |
| MPRP-764-217 | 20,0         | 91-200217-106                              | ---          | ---                                        | ---          | ---                                        | 10,0         | 91-200217-105                              | 20,0         |                                               |
| MPRP-764-218 | ---          | ---                                        | 16,0         | 91-200218-106                              | 10,0         |                                            | ---          | ---                                        | ---          | ---                                           |

| Typ          | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |
|--------------|----------------|----------------|---------|------------------|-----|-----|
|              |                |                |         | b                | t   | h   |
| MPRP-764-73  | 0,04           | 4,8            | BM1     | 207              | 185 | 285 |
| MPRP-764-74  | 0,05           | 4,9            | BM1     | 207              | 185 | 290 |
| MPRP-764-75  | 0,08           | 5,2            | BM1     | 207              | 185 | 300 |
| MPRP-764-84  | 0,09           | 5,3            | BM1     | 207              | 185 | 290 |
| MPRP-764-85  | 0,12           | 5,6            | BM1     | 207              | 185 | 300 |
| MPRP-764-94  | 0,14           | 5,8            | BM1     | 207              | 185 | 290 |
| MPRP-764-95  | 0,25           | 6,3            | BM1     | 207              | 185 | 300 |
| MPRP-764-114 | 0,30           | 6,9            | BM2     | 240              | 240 | 310 |
| MPRP-764-115 | 0,37           | 7,7            | BM2     | 240              | 240 | 320 |
| MPRP-764-116 | 0,45           | 8,5            | BM2     | 240              | 240 | 330 |
| MPRP-764-117 | 0,60           | 9,3            | BM2     | 240              | 240 | 350 |
| MPRP-764-135 | 0,55           | 8,7            | BM2     | 240              | 240 | 340 |
| MPRP-764-136 | 0,85           | 9,7            | BM2     | 240              | 240 | 350 |
| MPRP-764-137 | 1,00           | 10,9           | BM2     | 240              | 240 | 360 |
| MPRP-764-157 | 1,30           | 13,3           | BM2     | 240              | 240 | 360 |
| MPRP-764-178 | 1,60           | 17,0           | BM3     | 290              | 285 | 380 |
| MPRP-764-217 | 2,20           | 19,5           | BM3     | 290              | 285 | 380 |
| MPRP-764-218 | 2,40           | 21,5           | BM3     | 290              | 285 | 390 |

**Normen:**

EN 61558-2-13

Sparttransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

- \* Dreiphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* Handantrieb (Drehknopf und Skala bitte separat bestellen)
- \* Antriebswelle frei wählbar, die nicht benötigte kann abgesägt werden

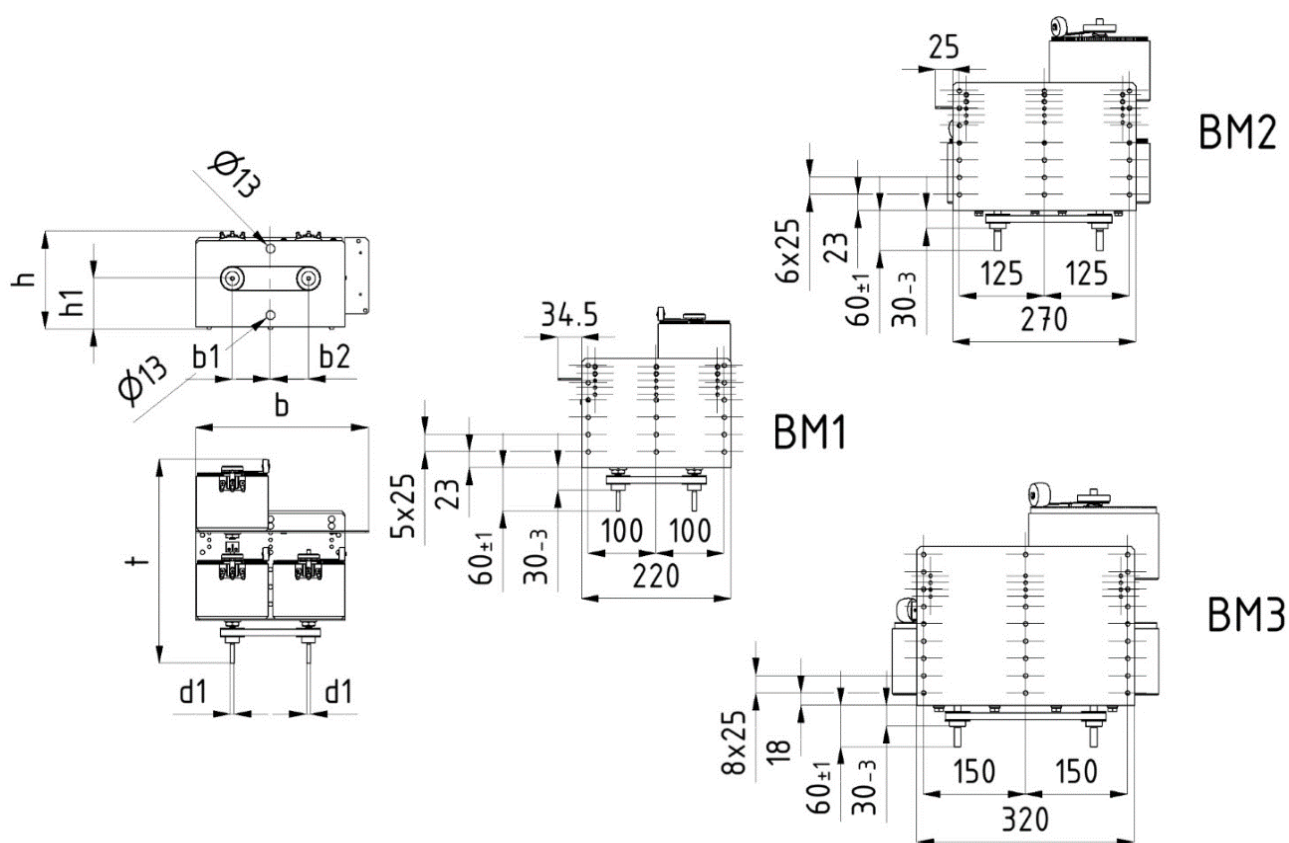




Alle Artikel zur Produktgruppe MP-768

| Typ        | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MP-768-73  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 0,8          |                                                     |
| MP-768-74  | 1,0          |                                                  | 0,5          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,0          |                                                     |
| MP-768-75  | 1,25         |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,25         |                                                     |
| MP-768-84  | 1,6          |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,6          |                                                     |
| MP-768-85  | 2,0          |                                                  | 1,0          |                                                  | ---          | ---                                              | ---          | ---                                              | 2,0          |                                                     |
| MP-768-94  | 2,5          | 81-000094-001                                    | 1,6          |                                                  | 1,0          |                                                  | 0,8          |                                                  | 2,5          |                                                     |
| MP-768-95  | 3,2          |                                                  | 2,0          |                                                  | 1,25         |                                                  | 1,0          |                                                  | 3,2          |                                                     |
| MP-768-114 | 4,0          |                                                  | 2,0          |                                                  | 1,6          |                                                  | 1,6          |                                                  | 4,0          |                                                     |
| MP-768-115 | 5,0          |                                                  | 4,0          |                                                  | 2,0          |                                                  | 2,0          |                                                  | 5,0          |                                                     |
| MP-768-116 | 6,3          |                                                  | 5,0          |                                                  | 2,5          |                                                  | 2,5          |                                                  | 6,3          |                                                     |
| MP-768-117 | ---          | ---                                              | ---          | ---                                              | 4,0          |                                                  | ---          | ---                                              | ---          | ---                                                 |
| MP-768-135 | 6,3          |                                                  | 5,0          |                                                  | ---          | ---                                              | 3,2          |                                                  | 6,3          |                                                     |
| MP-768-136 | 8,0          |                                                  | 6,3          |                                                  | 5,0          |                                                  | 4,0          |                                                  | 8,0          |                                                     |
| MP-768-137 | 10,0         | 81-000137-001                                    | 8,0          |                                                  | ---          | ---                                              | 5,0          |                                                  | 10,0         |                                                     |
| MP-768-157 | 12,5         |                                                  | 10,0         | 81-000157-009                                    | 6,3          |                                                  | 6,3          |                                                  | 12,5         |                                                     |
| MP-768-178 | 16,0         | 81-200178-001                                    | 12,5         |                                                  | 8,0          |                                                  | 8,0          |                                                  | 16,0         |                                                     |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |    |     |      |     |     |     |
|------------|----------------|----------------|---------|------------------|----|-----|------|-----|-----|-----|
|            |                |                |         | b                | b2 | b3  | d1   | h   | h1  | t   |
| MP-768-73  | 0,12           | 4,9            | BM1     | 322              | 49 | 112 | 6,0  | 130 | 70  | 125 |
| MP-768-74  | 0,15           | 5,2            | BM1     | 322              | 49 | 112 | 6,0  | 130 | 70  | 130 |
| MP-768-75  | 0,24           | 6,1            | BM1     | 322              | 49 | 112 | 6,0  | 130 | 70  | 140 |
| MP-768-84  | 0,27           | 6,4            | BM1     | 322              | 49 | 112 | 6,0  | 135 | 70  | 130 |
| MP-768-85  | 0,36           | 7,3            | BM1     | 322              | 49 | 112 | 6,0  | 135 | 70  | 140 |
| MP-768-94  | 0,42           | 7,9            | BM1     | 332              | 49 | 112 | 6,0  | 140 | 70  | 130 |
| MP-768-95  | 0,75           | 9,4            | BM1     | 332              | 49 | 112 | 6,0  | 140 | 70  | 140 |
| MP-768-114 | 0,90           | 12,4           | BM2     | 420              | 73 | 137 | 6,0  | 175 | 90  | 160 |
| MP-768-115 | 1,11           | 14,8           | BM2     | 420              | 73 | 137 | 6,0  | 175 | 90  | 160 |
| MP-768-116 | 1,35           | 17,2           | BM2     | 420              | 73 | 137 | 6,0  | 175 | 90  | 170 |
| MP-768-117 | 1,80           | 19,6           | BM2     | 420              | 73 | 137 | 6,0  | 175 | 90  | 190 |
| MP-768-135 | 1,65           | 17,8           | BM2     | 450              | 60 | 150 | 10,0 | 185 | 90  | 180 |
| MP-768-136 | 2,55           | 20,8           | BM2     | 450              | 60 | 150 | 10,0 | 185 | 90  | 190 |
| MP-768-137 | 3,00           | 24,4           | BM2     | 450              | 60 | 150 | 10,0 | 185 | 90  | 200 |
| MP-768-157 | 3,90           | 33,7           | BM3     | 580              | 85 | 200 | 10,0 | 250 | 115 | 200 |
| MP-768-178 | 4,80           | 44,8           | BM3     | 600              | 85 | 200 | 10,0 | 250 | 115 | 215 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

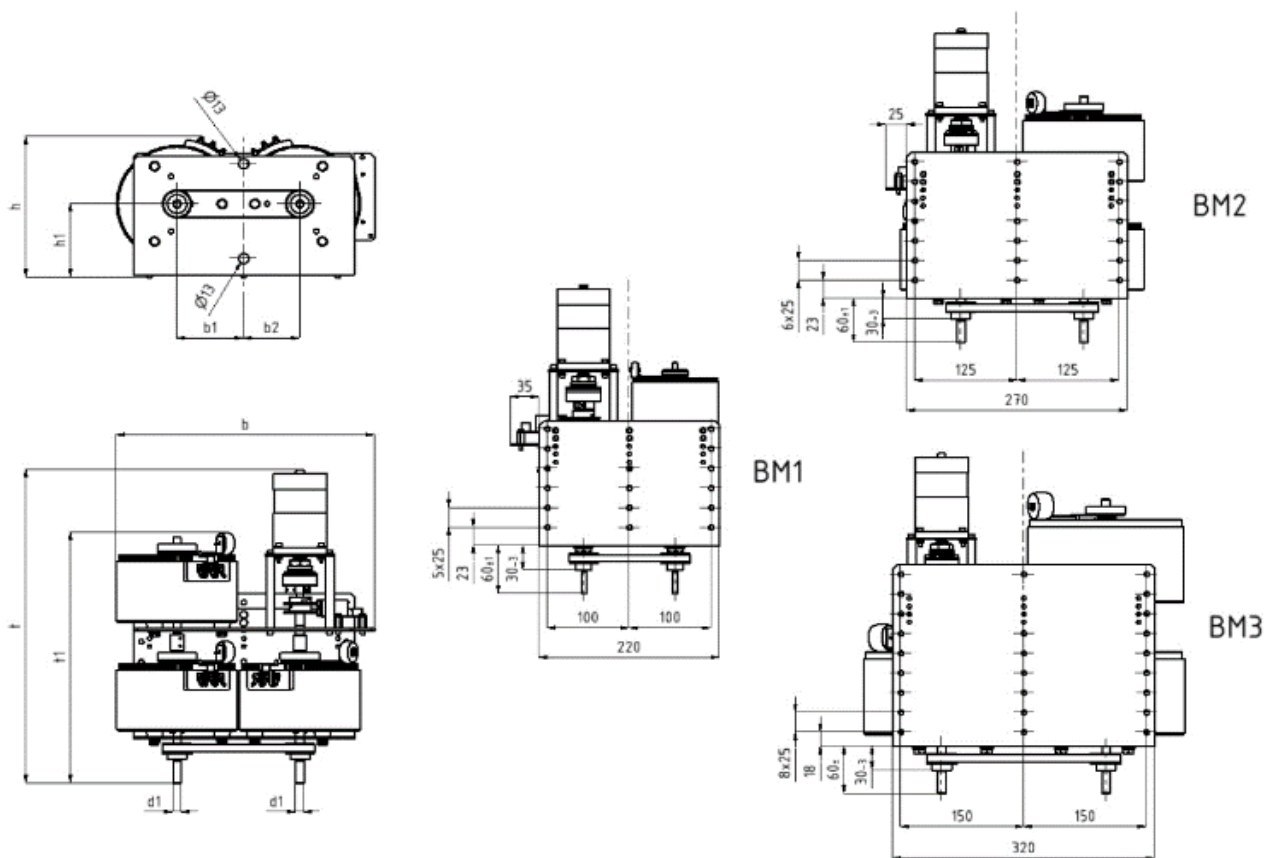
- \* Dreiphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* Handantrieb (Drehknopf und Skala bitte separat bestellen)



Alle Artikel zur Produktgruppe MP-771

| Typ        | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MP-771-73  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 0,8          |                                                     |
| MP-771-74  | 1,0          |                                                  | 0,5          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,0          |                                                     |
| MP-771-75  | 1,25         |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,25         |                                                     |
| MP-771-84  | 1,6          |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,6          |                                                     |
| MP-771-85  | 2,0          |                                                  | 1,0          |                                                  | ---          | ---                                              | ---          | ---                                              | 2,0          |                                                     |
| MP-771-94  | 2,5          |                                                  | 1,6          |                                                  | 1,0          |                                                  | 0,8          |                                                  | 2,5          |                                                     |
| MP-771-95  | 3,2          |                                                  | 2,0          |                                                  | 1,25         |                                                  | 1,0          |                                                  | 3,2          |                                                     |
| MP-771-114 | 4,0          |                                                  | 2,0          |                                                  | 1,6          |                                                  | 1,6          |                                                  | 4,0          |                                                     |
| MP-771-115 | 5,0          |                                                  | 4,0          |                                                  | 2,0          |                                                  | 2,0          |                                                  | 5,0          |                                                     |
| MP-771-116 | 6,3          |                                                  | 5,0          |                                                  | 2,5          |                                                  | 2,5          |                                                  | 6,3          |                                                     |
| MP-771-117 | 8,0          | 82-200117-001                                    | ---          | ---                                              | 4,0          |                                                  | ---          | ---                                              | ---          | ---                                                 |
| MP-771-135 | 6,3          |                                                  | 5,0          |                                                  | ---          | ---                                              | 3,2          |                                                  | 6,3          |                                                     |
| MP-771-136 | 8,0          |                                                  | 6,3          |                                                  | 5,0          |                                                  | 4,0          |                                                  | 8,0          |                                                     |
| MP-771-137 | 10,0         |                                                  | 8,0          |                                                  | ---          | ---                                              | 5,0          |                                                  | 10,0         |                                                     |
| MP-771-157 | 12,5         |                                                  | 10,0         |                                                  | 6,3          |                                                  | 6,3          |                                                  | 12,5         |                                                     |
| MP-771-178 | 16,0         |                                                  | 12,5         | 82-200178-002                                    | 8,0          |                                                  | 8,0          |                                                  | 16,0         |                                                     |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |      |     |     |     |
|------------|----------------|----------------|---------|------------------|-----|-----|------|-----|-----|-----|
|            |                |                |         | b                | b1  | b2  | d1   | h   | h1  | t   |
| MP-771-73  | 0,12           | 5,5            | BM1     | 255              | 56  | 56  | 6,0  | 140 | 72  | 225 |
| MP-771-74  | 0,15           | 5,8            | BM1     | 255              | 56  | 56  | 6,0  | 140 | 72  | 225 |
| MP-771-75  | 0,24           | 6,7            | BM1     | 255              | 56  | 56  | 6,0  | 140 | 72  | 245 |
| MP-771-84  | 0,27           | 7,0            | BM1     | 260              | 56  | 56  | 6,0  | 145 | 72  | 225 |
| MP-771-85  | 0,36           | 7,9            | BM1     | 260              | 56  | 56  | 6,0  | 145 | 72  | 245 |
| MP-771-94  | 0,42           | 8,5            | BM1     | 265              | 56  | 56  | 6,0  | 151 | 72  | 225 |
| MP-771-95  | 0,75           | 10,0           | BM1     | 265              | 56  | 56  | 6,0  | 145 | 72  | 245 |
| MP-771-114 | 0,90           | 13,1           | BM2     | 295              | 69  | 69  | 6,0  | 175 | 92  | 255 |
| MP-771-115 | 1,11           | 15,5           | BM2     | 295              | 69  | 69  | 6,0  | 175 | 92  | 275 |
| MP-771-116 | 1,35           | 17,9           | BM2     | 295              | 69  | 69  | 6,0  | 175 | 92  | 295 |
| MP-771-117 | 1,80           | 20,3           | BM2     | 295              | 69  | 69  | 6,0  | 175 | 92  | 325 |
| MP-771-135 | 1,65           | 18,5           | BM2     | 370              | 69  | 81  | 10,0 | 185 | 92  | 315 |
| MP-771-136 | 2,55           | 21,5           | BM2     | 370              | 69  | 81  | 10,0 | 185 | 92  | 325 |
| MP-771-137 | 3,00           | 25,1           | BM2     | 370              | 69  | 81  | 10,0 | 185 | 92  | 335 |
| MP-771-157 | 3,90           | 33,9           | BM3     | 380              | 100 | 100 | 10,0 | 230 | 117 | 345 |
| MP-771-178 | 4,80           | 45,0           | BM3     | 400              | 100 | 100 | 10,0 | 240 | 117 | 385 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

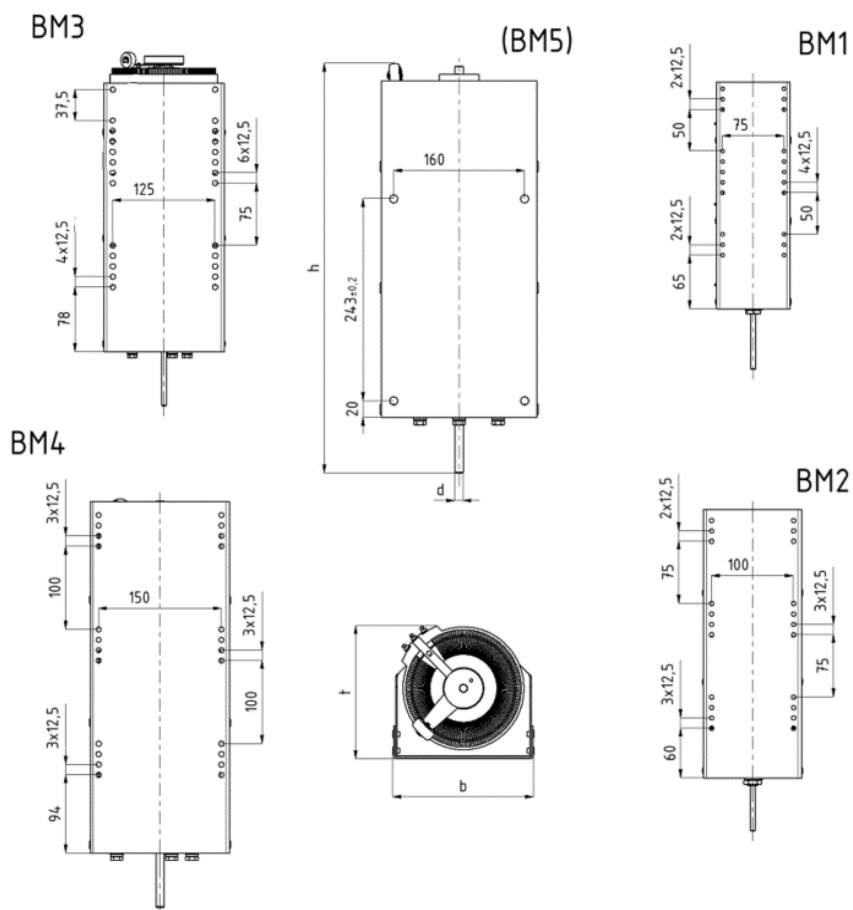
- \* Dreiphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* mit Motorantrieb 230V 50Hz 1,0 / 2,0 / 5,0 UpM oder 24VDC 4,0 / 14,0 UpM



Alle Artikel zur Produktgruppe MP-771-AC-DC

| Typ        | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MP-771-73  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 0,8          |                                                     |
| MP-771-74  | 1,0          |                                                  | 0,5          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,0          |                                                     |
| MP-771-75  | 1,25         |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,25         |                                                     |
| MP-771-84  | 1,6          |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,6          |                                                     |
| MP-771-85  | 2,0          |                                                  | 1,0          |                                                  | ---          | ---                                              | ---          | ---                                              | 2,0          |                                                     |
| MP-771-94  | 2,5          |                                                  | 1,6          |                                                  | 1,0          |                                                  | 0,8          |                                                  | 2,5          |                                                     |
| MP-771-95  | 3,2          |                                                  | 2,0          |                                                  | 1,25         |                                                  | 1,0          |                                                  | 3,2          |                                                     |
| MP-771-114 | 4,0          |                                                  | 2,0          |                                                  | 1,6          |                                                  | 1,6          |                                                  | 4,0          |                                                     |
| MP-771-115 | 5,0          |                                                  | 4,0          |                                                  | 2,0          |                                                  | 2,0          |                                                  | 5,0          |                                                     |
| MP-771-116 | 6,3          |                                                  | 5,0          |                                                  | 2,5          |                                                  | 2,5          |                                                  | 6,3          |                                                     |
| MP-771-117 | ---          | ---                                              | ---          | ---                                              | 4,0          |                                                  | ---          | ---                                              | ---          | ---                                                 |
| MP-771-135 | 6,3          |                                                  | 5,0          |                                                  | ---          | ---                                              | 3,2          |                                                  | 6,3          |                                                     |
| MP-771-136 | 8,0          |                                                  | 6,3          |                                                  | 5,0          |                                                  | 4,0          |                                                  | 8,0          |                                                     |
| MP-771-137 | 10,0         |                                                  | 8,0          |                                                  | ---          | ---                                              | 5,0          |                                                  | 10,0         |                                                     |
| MP-771-157 | 12,5         |                                                  | 10,0         |                                                  | 6,3          |                                                  | 6,3          |                                                  | 12,5         |                                                     |
| MP-771-178 | 16,0         |                                                  | 12,5         |                                                  | 8,0          |                                                  | 8,0          |                                                  | 16,0         |                                                     |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |     |     |     |     |
|------------|----------------|----------------|---------|------------------|-----|-----|-----|-----|-----|-----|
|            |                |                |         | b                | b1  | b2  | h   | h1  | t   | t1  |
| MP-771-73  | 0,12           | 5,5            | BM1     | 255              | 56  | 56  | 140 | 72  | 375 | 225 |
| MP-771-74  | 0,15           | 5,8            | BM1     | 255              | 56  | 56  | 140 | 72  | 375 | 225 |
| MP-771-75  | 0,24           | 6,7            | BM1     | 255              | 56  | 56  | 140 | 72  | 385 | 245 |
| MP-771-84  | 0,27           | 7,0            | BM1     | 260              | 56  | 56  | 145 | 72  | 375 | 225 |
| MP-771-85  | 0,36           | 7,9            | BM1     | 260              | 56  | 56  | 145 | 72  | 385 | 245 |
| MP-771-94  | 0,42           | 8,5            | BM1     | 265              | 56  | 56  | 151 | 72  | 375 | 225 |
| MP-771-95  | 0,75           | 10,0           | BM1     | 265              | 56  | 56  | 145 | 72  | 385 | 245 |
| MP-771-114 | 0,90           | 13,1           | BM2     | 295              | 69  | 69  | 175 | 92  | 395 | 255 |
| MP-771-115 | 1,11           | 15,5           | BM2     | 295              | 69  | 69  | 175 | 92  | 405 | 275 |
| MP-771-116 | 1,35           | 17,9           | BM2     | 295              | 69  | 69  | 175 | 92  | 415 | 295 |
| MP-771-117 | 1,80           | 20,3           | BM2     | 295              | 69  | 69  | 175 | 92  | 425 | 325 |
| MP-771-135 | 1,65           | 18,5           | BM2     | 370              | 69  | 81  | 185 | 92  | 405 | 315 |
| MP-771-136 | 2,55           | 21,5           | BM2     | 370              | 69  | 81  | 185 | 92  | 415 | 325 |
| MP-771-137 | 3,00           | 25,1           | BM2     | 370              | 69  | 81  | 185 | 92  | 425 | 335 |
| MP-771-157 | 3,90           | 33,9           | BM3     | 380              | 100 | 100 | 230 | 117 | 430 | 345 |
| MP-771-178 | 4,80           | 45,0           | BM3     | 400              | 100 | 100 | 240 | 117 | 450 | 385 |

**Normen:**

EN 61558-2-13

Sparttransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

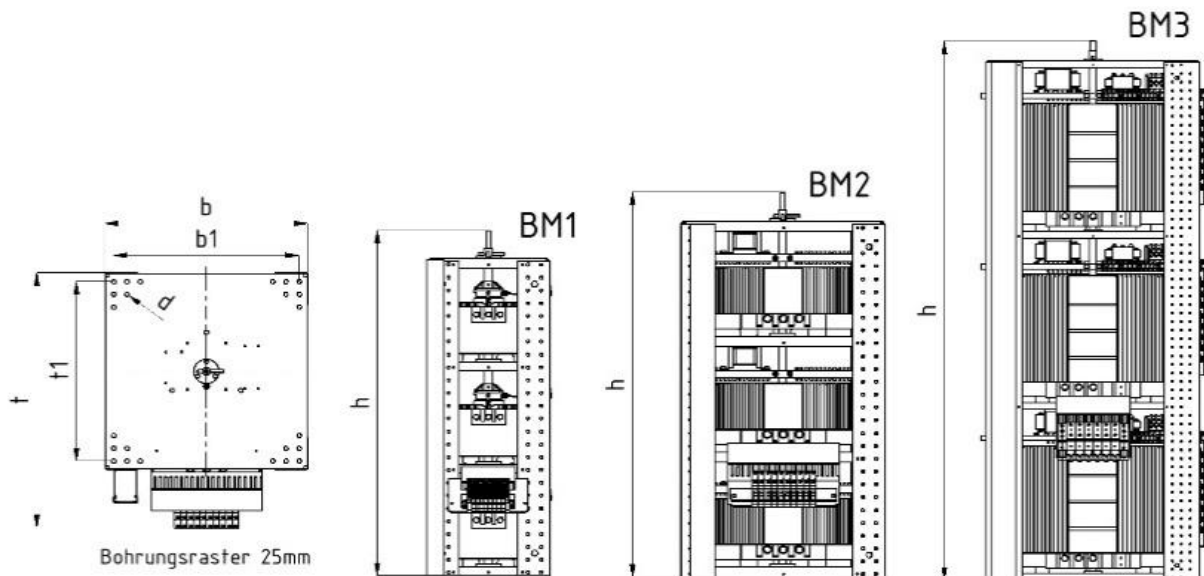
- \* Dreiphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* Handantrieb (Drehknopf und Skala bitte separat bestellen)



Alle Artikel zur Produktgruppe MP-772

| Typ        | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MP-772-64  | 0,8          | 83-200064-001                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 0,8          |                                                     |
| MP-772-73  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 0,8          |                                                     |
| MP-772-74  | 1,0          |                                                  | 0,5          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,0          |                                                     |
| MP-772-75  | 1,25         |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,25         |                                                     |
| MP-772-84  | 1,6          |                                                  | 0,8          |                                                  | ---          | ---                                              | ---          | ---                                              | 1,6          |                                                     |
| MP-772-85  | 2,0          |                                                  | 1,0          |                                                  | ---          | ---                                              | ---          | ---                                              | 2,0          |                                                     |
| MP-772-94  | 2,5          |                                                  | 1,6          |                                                  | 1,0          |                                                  | 0,8          |                                                  | 2,5          |                                                     |
| MP-772-95  | 3,2          |                                                  | 2,0          | 83-200095-002                                    | 1,25         |                                                  | 1,0          |                                                  | 3,2          |                                                     |
| MP-772-114 | 4,0          |                                                  | 2,0          |                                                  | 1,6          |                                                  | 1,6          |                                                  | 4,0          |                                                     |
| MP-772-115 | 5,0          | 83-200115-001                                    | 4,0          |                                                  | 2,0          |                                                  | 2,0          |                                                  | 5,0          |                                                     |
| MP-772-116 | 6,3          |                                                  | 5,0          |                                                  | 2,5          |                                                  | 2,5          |                                                  | 6,3          |                                                     |
| MP-772-117 | ---          | ---                                              | ---          | ---                                              | 4,0          |                                                  | ---          | ---                                              | ---          | ---                                                 |
| MP-772-135 | 6,3          |                                                  | 5,0          |                                                  | ---          | ---                                              | 3,2          |                                                  | 6,3          |                                                     |
| MP-772-136 | 8,0          |                                                  | 6,3          |                                                  | 5,0          |                                                  | 4,0          |                                                  | 8,0          |                                                     |
| MP-772-137 | 10,0         |                                                  | 8,0          |                                                  | ---          | ---                                              | 5,0          |                                                  | 10,0         |                                                     |

| Typ        | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |      |     |     |
|------------|----------------|----------------|---------|------------------|------|-----|-----|
|            |                |                |         | b                | d1   | h   | t   |
| MP-772-64  | 0,12           | 4,6            | BM1     | 90               | 6,0  | 305 | 105 |
| MP-772-73  | 0,12           | 4,9            | BM2     | 120              | 6,0  | 355 | 105 |
| MP-772-74  | 0,15           | 5,2            | BM2     | 120              | 6,0  | 355 | 105 |
| MP-772-75  | 0,24           | 5,8            | BM2     | 120              | 6,0  | 355 | 105 |
| MP-772-84  | 0,27           | 6,4            | BM2     | 120              | 6,0  | 355 | 110 |
| MP-772-85  | 0,36           | 7,0            | BM2     | 120              | 6,0  | 355 | 110 |
| MP-772-94  | 0,42           | 7,6            | BM2     | 120              | 6,0  | 355 | 115 |
| MP-772-95  | 0,75           | 8,9            | BM2     | 120              | 6,0  | 355 | 115 |
| MP-772-114 | 0,90           | 11,0           | BM3     | 150              | 6,0  | 355 | 150 |
| MP-772-115 | 1,11           | 13,5           | BM3     | 150              | 6,0  | 360 | 150 |
| MP-772-116 | 1,35           | 16,0           | BM3     | 150              | 6,0  | 370 | 150 |
| MP-772-117 | 1,80           | 18,5           | BM3     | 150              | 6,0  | 400 | 150 |
| MP-772-135 | 1,65           | 19,0           | BM4     | 170              | 10,0 | 455 | 165 |
| MP-772-136 | 2,55           | 22,0           | BM4     | 170              | 10,0 | 455 | 165 |
| MP-772-137 | 3,00           | 26,0           | BM4     | 170              | 10,0 | 470 | 165 |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

- \* Dreiphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* Handantrieb (Drehknopf und Skala bitte separat bestellen)
- \* im robusten Stahlgestell verbaut

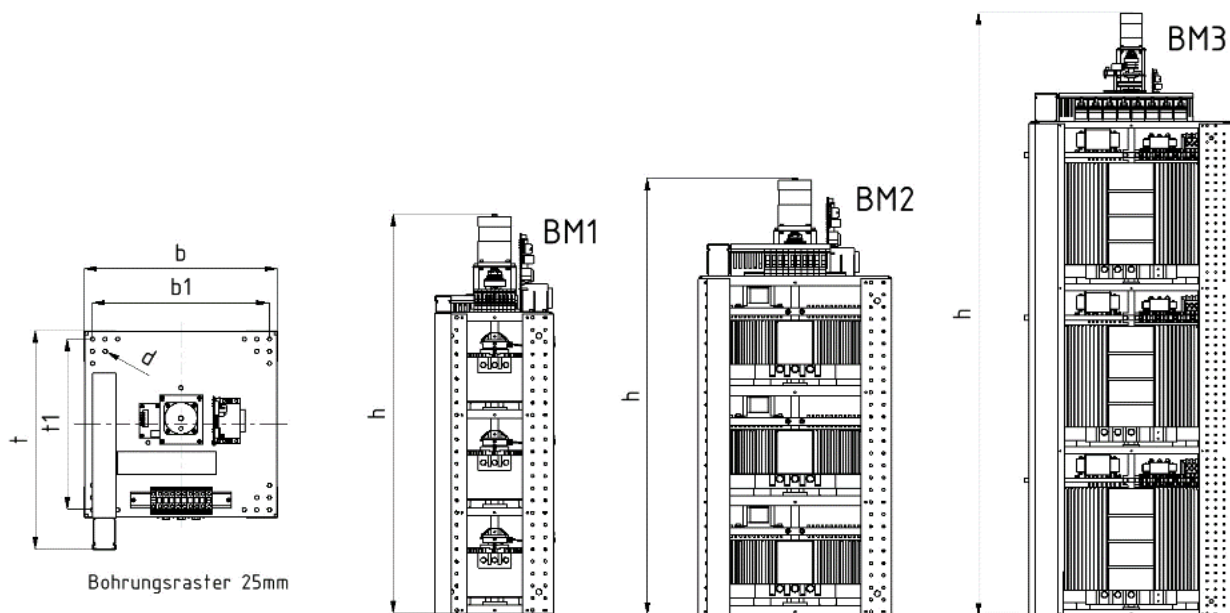
CE



Alle Artikel zur Produktgruppe MP-832

| Typ         | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|-------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MP-832-217  | 20,0         | 73-200217-021                                    | ---          | ---                                              | ---          | ---                                              | 10,0         | 73-200217-024                                    | 20,0         | 73-200217-025                                       |
| MP-832-218  | ---          | ---                                              | 16,0         | 73-200218-022                                    | 10,0         | 73-200218-023                                    | ---          | ---                                              | ---          | ---                                                 |
| MP-832-257  | 25,00        | 73-200257-021                                    | ---          | ---                                              | 12,5         | 73-200257-023                                    | 12,5         | 73-200257-024                                    | 25,00        | 73-200257-025                                       |
| MP-832-258  | ---          | ---                                              | 20,0         | 73-200258-022                                    | 16,0         | 73-200258-023                                    | 16,0         | 73-200258-024                                    | ---          | ---                                                 |
| MP-832-297  | ---          | ---                                              | 25,0         | 73-250297-022                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                                 |
| MP-832-298  | ---          | ---                                              | ---          | ---                                              | 20,0         | 73-200298-023                                    | ---          | ---                                              | ---          | ---                                                 |
| MP-832-358  | ---          | ---                                              | ---          | ---                                              | 25,00        | 73-200358-023                                    | 20,0         | 73-200358-024                                    | ---          | ---                                                 |
| MP-832-2507 | 32,0         | 73-202507-021                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 32,0         | 73-202507-025                                       |
| MP-832-2907 | 40,0         | 73-202907-021                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 40,0         | 73-202907-025                                       |
| MP-832-2908 | ---          | ---                                              | 32,0         | 73-202908-022                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                                 |
| MP-832-2512 | 50,0         | ---                                              | 40,0         | 73-202512-022                                    | ---          | ---                                              | 25,0         | 73-202512-024                                    | 50,0         | 73-202512-025                                       |
| MP-832-2912 | 63,0         | 73-202912-021                                    | 50,0         | 73-202912-022                                    | 32,0         | 73-202912-023                                    | 40,0         | 73-202912-024                                    | 63,0         | 73-202912-025                                       |
| MP-832-3512 | 75,0         | 73-203512-021                                    | 63,0         | 73-203512-022                                    | 40,0         | 73-203512-023                                    | ---          | ---                                              | 75,0         | 73-203512-025                                       |
| MP-832-3515 | 100,0        | 73-203515-021                                    | 80,0         | 73-203515-022                                    | 63,0         | 73-203515-023                                    | 50,0         | 73-203515-024                                    | 100,0        | 73-203515-025                                       |
| MP-832-3518 | 125,0        | 73-203518-021                                    | 100,0        | 73-203518-022                                    | 80,0         | 73-203518-023                                    | 63,0         | 73-203518-024                                    | 125,0        | 73-203518-025                                       |
| MP-832-5515 | 150,0        | 73-205515-021                                    | 150,0        | 73-205515-022                                    | 100,0        | 73-205515-023                                    | 100,0        | 73-205515-024                                    | 150,0        | 73-205515-025                                       |
| MP-832-5520 | 200,0        | 73-205520-021                                    | 200,0        | 73-205520-022                                    | 150,0        | 73-205520-023                                    | 150,0        | 73-205520-024                                    | 200,0        | 73-205520-025                                       |
| MP-832-5525 | 250,0        | 73-205525-021                                    | 250,0        | 73-205525-022                                    | 200,0        | 73-205525-023                                    | 200,0        | 73-205525-024                                    | 250,0        | 73-205525-025                                       |

| Typ         | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |     |      |      | n    |
|-------------|----------------|----------------|---------|------------------|-----|-----|-----|------|------|------|
|             |                |                |         | b                | b1  | t   | t1  | h    | d    |      |
| MP-832-217  | 6,6            | 55             | BM1     | 240              | 200 | 350 | 200 | 618  | 8,5  | 2x2  |
| MP-832-218  | 7,2            | 58             | BM1     | 240              | 200 | 350 | 200 | 618  | 8,5  | 2x2  |
| MP-832-257  | 9,3            | 66             | BM1     | 315              | 275 | 425 | 275 | 618  | 8,5  | 3x3  |
| MP-832-258  | 9,9            | 70             | BM1     | 315              | 275 | 425 | 275 | 618  | 8,5  | 3x3  |
| MP-832-297  | 13,5           | 88             | BM1     | 315              | 275 | 425 | 275 | 618  | 8,5  | 3x3  |
| MP-832-298  | 14,4           | 90             | BM1     | 315              | 275 | 425 | 275 | 618  | 8,5  | 3x3  |
| MP-832-358  | 16,8           | 110            | BM1     | 390              | 350 | 500 | 350 | 620  | 8,5  | 3x3  |
| MP-832-2507 | 10,5           | 70             | BM2     | 390              | 350 | 500 | 350 | 695  | 8,5  | 3x3  |
| MP-832-2508 | 11,7           | 79             | BM2     | 390              | 350 | 500 | 350 | 695  | 8,5  | 3x3  |
| MP-832-2907 | 13,5           | 88             | BM2     | 390              | 350 | 500 | 350 | 695  | 8,5  | 3x3  |
| MP-832-2908 | 14,1           | 90             | BM2     | 390              | 350 | 500 | 350 | 695  | 8,5  | 3x3  |
| MP-832-2512 | 18,0           | 140            | BM2     | 390              | 350 | 500 | 350 | 920  | 8,5  | 3x3  |
| MP-832-2912 | 24,0           | 160            | BM3     | 390              | 350 | 500 | 350 | 920  | 8,5  | 3x3  |
| MP-832-3510 | 33,0           | 205            | BM3     | 465              | 425 | 575 | 425 | 920  | 8,5  | 4x4  |
| MP-832-3512 | 36,0           | 220            | BM3     | 465              | 425 | 575 | 425 | 920  | 8,5  | 4x4  |
| MP-832-3515 | 42,0           | 260            | BM3     | 465              | 425 | 575 | 425 | 1070 | 8,5  | 4x4  |
| MP-832-3518 | 48,9           | 300            | BM3     | 465              | 425 | 575 | 425 | 1220 | 8,5  | 4x4  |
| MP-832-3520 | 58,5           | 355            | BM3     | 465              | 425 | 575 | 425 | 1420 | 8,5  | 4x4  |
| MP-832-3524 | 67,5           | 400            | BM3     | 465              | 425 | 575 | 425 | 1420 | 8,5  | 4x4  |
| MP-832-5515 | 106,2          | 560            | BM3     | 620              | 580 | 730 | 580 | 1520 | 10,5 | 4x4* |
| MP-832-5520 | 152,1          | 750            | BM3     | 620              | 580 | 730 | 580 | 1520 | 10,5 | 4x4* |
| MP-832-5525 | 198,0          | 940            | BM3     | 620              | 580 | 730 | 580 | 1805 | 10,5 | 4x4* |

**Normen:**

EN 61558-2-13

Sparttransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

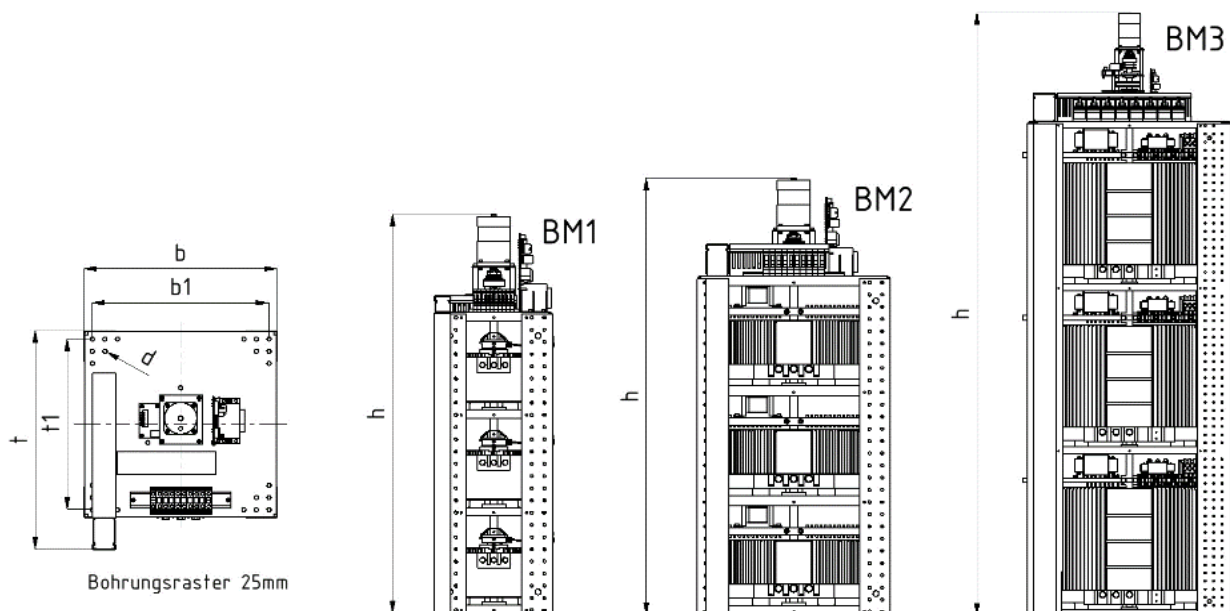
- \* Dreiphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* im robusten Stahlgestell verbaut
- \* mit Regelelektronik MPRP2010 und DC-Motor 14,0 UpM  
ab Baugröße 3512 mit DC-Motor 4,0 UpM



Alle Artikel zur Produktgruppe MPRP-832

| Typ           | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|---------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MPRP-832-217  | 20,0         | 93-200217-001                                    | ---          | ---                                              | ---          | ---                                              | 10,0         | 93-200217-004                                    | 20,0         | 93-200217-101                                       |
| MPRP-832-218  | ---          | ---                                              | 16,0         | 93-200218-022                                    | 10,0         | 93-200218-023                                    | ---          | ---                                              | ---          | ---                                                 |
| MPRP-832-257  | 25,00        | 93-200257-021                                    | ---          | ---                                              | 12,5         |                                                  | 12,5         |                                                  | 25,00        | 93-200257-101                                       |
| MPRP-832-258  | ---          | ---                                              | 20,0         |                                                  | 16,0         |                                                  | 16,0         | 93-200258-101                                    | ---          | ---                                                 |
| MPRP-832-297  | ---          | ---                                              | 25,0         | 93-200297-022                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                                 |
| MPRP-832-298  | ---          | ---                                              | ---          | ---                                              | 20,0         | 93-200298-023                                    | ---          | ---                                              | ---          | ---                                                 |
| MPRP-832-358  | ---          | ---                                              | ---          | ---                                              | 25,00        | 93-200358-023                                    | 20,0         |                                                  | ---          | ---                                                 |
| MPRP-832-2507 | 32,0         | 93-202507-021                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 32,0         | 93-202507-101                                       |
| MPRP-832-2907 | 40,0         | 93-202907-001                                    | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 40,0         | 93-202907-102                                       |
| MPRP-832-2908 | ---          | ---                                              | 32,0         |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                                 |
| MPRP-832-2512 | 50,0         | 93-202512-021                                    | 40,0         | 93-202512-101                                    | ---          | ---                                              | 25,0         |                                                  | 50,0         | 93-202512-104                                       |
| MPRP-832-2912 | 63,0         | 93-202912-021                                    | 50,0         |                                                  | 32,0         | 93-202912-023                                    | 40,0         |                                                  | 63,0         | 93-202912-103                                       |
| MPRP-832-3512 | 75,0         |                                                  | 63,0         |                                                  | 40,0         | 93-203512-023                                    | ---          | ---                                              | 75,0         | 93-203512-102                                       |
| MPRP-832-3515 | 100,0        | 93-203515-021                                    | 80,0         | 93-203515-022                                    | 63,0         | 93-203515-023                                    | 50,0         | 93-203515-108                                    | 100,0        |                                                     |
| MPRP-832-3518 | 125,0        | 93-203518-021                                    | 100,0        | 93-203518-022                                    | 80,0         | 93-203518-023                                    | 63,0         | 93-203518-024                                    | 125,0        |                                                     |
| MPRP-832-5515 | 150,0        | 93-205515-021                                    | 150,0        | 93-205515-104                                    | 100,0        |                                                  | 100,0        |                                                  | 150,0        |                                                     |
| MPRP-832-5520 | 200,0        | 93-205520-101                                    | 200,0        |                                                  | 150,0        |                                                  | 150,0        |                                                  | 200,0        |                                                     |
| MPRP-832-5525 | 250,0        | 93-205525-001                                    | 250,0        |                                                  | 200,0        |                                                  | 200,0        |                                                  | 250,0        |                                                     |

| Typ           | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |     |      |      | n    |
|---------------|----------------|----------------|---------|------------------|-----|-----|-----|------|------|------|
|               |                |                |         | b                | b1  | t   | t1  | h    | d    |      |
| MPRP-832-217  | 6,6            | 58             | BM1     | 240              | 200 | 285 | 200 | 843  | 8,5  | 2x2  |
| MPRP-832-218  | 7,2            | 61             | BM1     | 240              | 200 | 285 | 200 | 843  | 8,5  | 2x2  |
| MPRP-832-257  | 9,3            | 69             | BM1     | 315              | 275 | 360 | 315 | 843  | 8,5  | 3x3  |
| MPRP-832-258  | 9,9            | 73             | BM1     | 315              | 275 | 360 | 315 | 843  | 8,5  | 3x3  |
| MPRP-832-297  | 13,5           | 91             | BM1     | 315              | 275 | 360 | 315 | 843  | 8,5  | 3x3  |
| MPRP-832-298  | 14,4           | 93             | BM1     | 315              | 275 | 360 | 315 | 843  | 8,5  | 3x3  |
| MPRP-832-358  | 16,8           | 113            | BM1     | 390              | 350 | 435 | 390 | 845  | 8,5  | 3x3  |
| MPRP-832-2507 | 10,5           | 73             | BM2     | 390              | 350 | 435 | 390 | 920  | 8,5  | 3x3  |
| MPRP-832-2508 | 11,7           | 75             | BM2     | 390              | 350 | 435 | 390 | 920  | 8,5  | 3x3  |
| MPRP-832-2907 | 13,5           | 91             | BM2     | 390              | 350 | 435 | 390 | 920  | 8,5  | 3x3  |
| MPRP-832-2908 | 14,1           | 93             | BM2     | 390              | 350 | 435 | 390 | 920  | 8,5  | 3x3  |
| MPRP-832-2512 | 18,0           | 143            | BM2     | 390              | 350 | 435 | 390 | 1145 | 8,5  | 3x3  |
| MPRP-832-2912 | 24,0           | 163            | BM3     | 390              | 350 | 435 | 390 | 1145 | 8,5  | 3x3  |
| MPRP-832-3510 | 33,0           | 210            | BM3     | 465              | 425 | 530 | 465 | 1145 | 8,5  | 4x4  |
| MPRP-832-3512 | 36,0           | 223            | BM3     | 465              | 425 | 530 | 465 | 1145 | 8,5  | 4x4  |
| MPRP-832-3515 | 42,0           | 263            | BM3     | 465              | 425 | 530 | 465 | 1295 | 8,5  | 4x4  |
| MPRP-832-3518 | 48,9           | 303            | BM3     | 465              | 425 | 530 | 465 | 1295 | 8,5  | 4x4  |
| MPRP-832-3520 | 58,5           | 360            | BM3     | 465              | 425 | 530 | 465 | 1625 | 8,5  | 4x4  |
| MPRP-832-3524 | 67,5           | 405            | BM3     | 465              | 425 | 530 | 465 | 1625 | 8,5  | 4x4  |
| MPRP-832-5515 | 106,2          | 565            | BM3     | 620              | 580 | 705 | 620 | 1965 | 10,5 | 4x4* |
| MPRP-832-5520 | 152,1          | 755            | BM3     | 620              | 580 | 705 | 620 | 1965 | 10,5 | 4x4* |
| MPRP-832-5525 | 198,0          | 945            | BM3     | 620              | 580 | 705 | 620 | 2250 | 10,5 | 4x4* |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

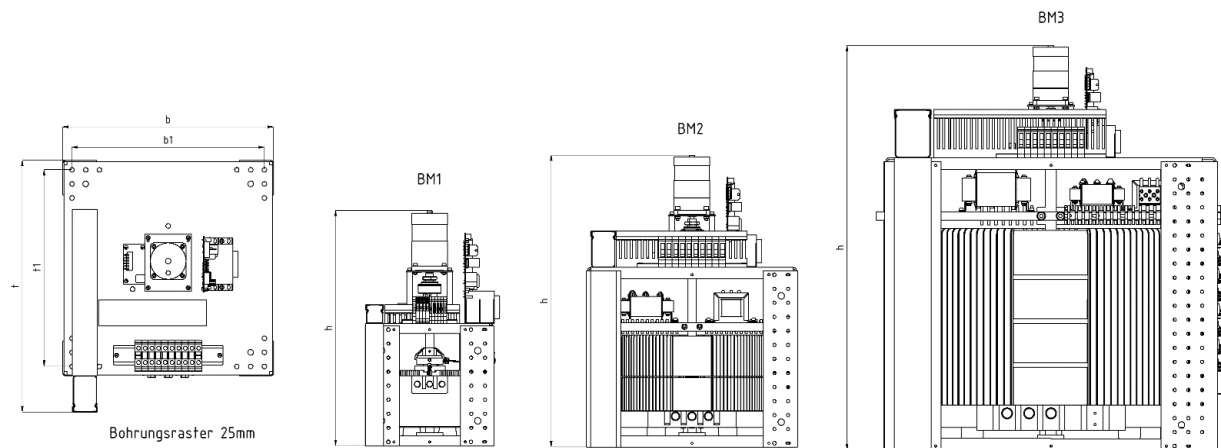
- \* Dreiphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* im robusten Stahlgestell verbaut
- \* mit Motorantrieb 230V 50Hz 1,0 / 2,0 / 5,0 UpM oder 24VDC 4,0 / 14,0 UpM



Alle Artikel zur Produktgruppe MP-832-AC-DC

| Typ         | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 450 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 520 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 690 V<br>3x 0 - 690 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>3x 400 V<br>3x 0 - 200/400V<br>Art. Nr. |
|-------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|-----------------------------------------------------|
| MP-832-217  | 20,0         |                                                  | ---          | ---                                              | ---          | ---                                              | 10,0         |                                                  | 20,0         |                                                     |
| MP-832-218  | ---          | ---                                              | 16,0         |                                                  | 10,0         |                                                  | ---          | ---                                              | ---          | ---                                                 |
| MP-832-257  | 25,00        |                                                  | ---          | ---                                              | 12,5         |                                                  | 12,5         |                                                  | 25,00        |                                                     |
| MP-832-258  | ---          | ---                                              | 20,0         |                                                  | 16,0         |                                                  | 16,0         |                                                  | ---          | ---                                                 |
| MP-832-297  | ---          | ---                                              | 25,0         |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                                 |
| MP-832-298  | ---          | ---                                              | ---          | ---                                              | 20,0         |                                                  | ---          | ---                                              | ---          | ---                                                 |
| MP-832-358  | ---          | ---                                              | ---          | ---                                              | 25,00        |                                                  | 20,0         |                                                  | ---          | ---                                                 |
| MP-832-2507 | 32,0         |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 32,0         |                                                     |
| MP-832-2907 | 40,0         |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                              | 40,0         |                                                     |
| MP-832-2908 | ---          | ---                                              | 32,0         |                                                  | ---          | ---                                              | ---          | ---                                              | ---          | ---                                                 |
| MP-832-2512 | 50,0         |                                                  | 40,0         |                                                  | ---          | ---                                              | 25,0         |                                                  | 50,0         |                                                     |
| MP-832-2912 | 63,0         |                                                  | 50,0         |                                                  | 32,0         |                                                  | 40,0         |                                                  | 63,0         |                                                     |
| MP-832-3512 | 75,0         |                                                  | 63,0         |                                                  | 40,0         |                                                  | ---          | ---                                              | 75,0         |                                                     |
| MP-832-3515 | 100,0        |                                                  | 80,0         |                                                  | 63,0         |                                                  | 50,0         |                                                  | 100,0        |                                                     |
| MP-832-3518 | 125,0        |                                                  | 100,0        |                                                  | 80,0         |                                                  | 63,0         |                                                  | 125,0        |                                                     |
| MP-832-5515 | 150,0        |                                                  | 150,0        |                                                  | 100,0        |                                                  | 100,0        |                                                  | 150,0        |                                                     |
| MP-832-5520 | 200,0        |                                                  | 200,0        |                                                  | 150,0        |                                                  | 150,0        |                                                  | 200,0        |                                                     |
| MP-832-5525 | 250,0        |                                                  | 250,0        |                                                  | 200,0        |                                                  | 200,0        |                                                  | 250,0        |                                                     |

| Typ         | Kupfer<br>[kg] | Gesamt<br>[kg] | Maßbild | Abmessungen [mm] |     |     |     |      |      | n    |
|-------------|----------------|----------------|---------|------------------|-----|-----|-----|------|------|------|
|             |                |                |         | b                | b1  | t   | t1  | h    | d    |      |
| MP-832-217  | 6,6            | 58             | BM1     | 240              | 200 | 285 | 200 | 843  | 8,5  | 2x2  |
| MP-832-218  | 7,2            | 61             | BM1     | 240              | 200 | 285 | 200 | 843  | 8,5  | 2x2  |
| MP-832-257  | 9,3            | 69             | BM1     | 315              | 275 | 360 | 315 | 843  | 8,5  | 3x3  |
| MP-832-258  | 9,9            | 73             | BM1     | 315              | 275 | 360 | 315 | 843  | 8,5  | 3x3  |
| MP-832-297  | 13,5           | 91             | BM1     | 315              | 275 | 360 | 315 | 843  | 8,5  | 3x3  |
| MP-832-298  | 14,4           | 93             | BM1     | 315              | 275 | 360 | 315 | 843  | 8,5  | 3x3  |
| MP-832-358  | 16,8           | 113            | BM1     | 390              | 350 | 435 | 390 | 845  | 8,5  | 3x3  |
| MP-832-2507 | 10,5           | 73             | BM2     | 390              | 350 | 435 | 390 | 920  | 8,5  | 3x3  |
| MP-832-2508 | 11,7           | 75             | BM2     | 390              | 350 | 435 | 390 | 920  | 8,5  | 3x3  |
| MP-832-2907 | 13,5           | 91             | BM2     | 390              | 350 | 435 | 390 | 920  | 8,5  | 3x3  |
| MP-832-2908 | 14,1           | 93             | BM2     | 390              | 350 | 435 | 390 | 920  | 8,5  | 3x3  |
| MP-832-2512 | 18,0           | 143            | BM2     | 390              | 350 | 435 | 390 | 1145 | 8,5  | 3x3  |
| MP-832-2912 | 24,0           | 163            | BM2     | 390              | 350 | 435 | 390 | 1145 | 8,5  | 3x3  |
| MP-832-3510 | 33,0           | 210            | BM3     | 465              | 425 | 530 | 465 | 1145 | 8,5  | 4x4  |
| MP-832-3512 | 36,0           | 223            | BM2     | 465              | 425 | 530 | 465 | 1145 | 8,5  | 4x4  |
| MP-832-3515 | 42,0           | 263            | BM2     | 465              | 425 | 530 | 465 | 1295 | 8,5  | 4x4  |
| MP-832-3518 | 48,9           | 303            | BM2     | 465              | 425 | 530 | 465 | 1295 | 8,5  | 4x4  |
| MP-832-3520 | 58,5           | 360            | BM3     | 465              | 425 | 530 | 465 | 1625 | 8,5  | 4x4  |
| MP-832-3524 | 67,5           | 405            | BM3     | 465              | 425 | 530 | 465 | 1625 | 8,5  | 4x4  |
| MP-832-5515 | 106,2          | 565            | BM3     | 620              | 580 | 705 | 620 | 1965 | 10,5 | 4x4* |
| MP-832-5520 | 152,1          | 755            | BM3     | 620              | 580 | 705 | 620 | 1965 | 10,5 | 4x4* |
| MP-832-5525 | 198,0          | 945            | BM3     | 620              | 580 | 705 | 620 | 2250 | 10,5 | 4x4* |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

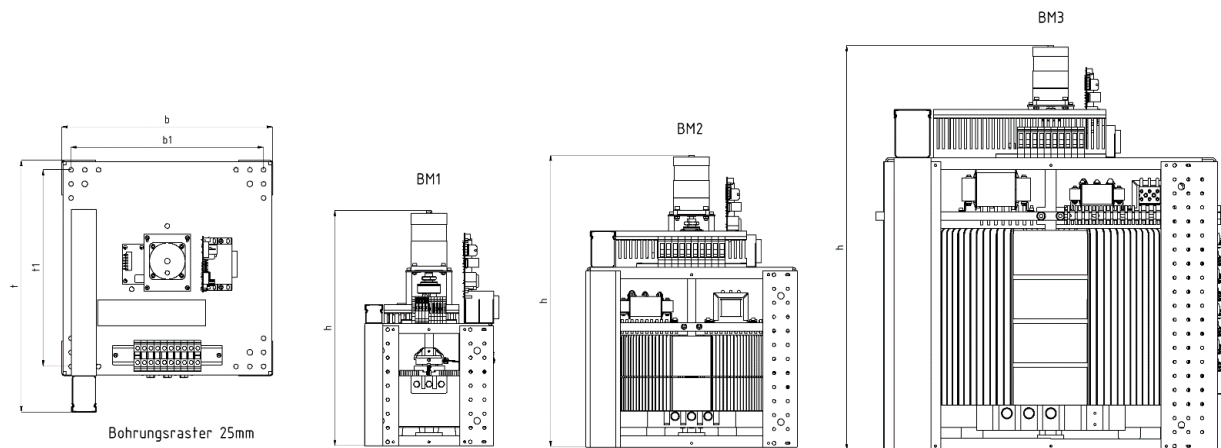
- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* im robusten Stahlgestell verbaut
- \* mit Regelelektronik MPRP2010 und DC-Motor 14,0 UpM



Alle Artikel zur Produktgruppe MPRP-832-1

| Typ             | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|-----------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MPRP-832-1-217  | 20,0         | 91-200217-021                              | ---          | ---                                        | ---          | ---                                        | 10,0         |                                            | 20,0         | 91-200217-102                                 |
| MPRP-832-1-218  | ---          | ---                                        | 16,0         | 91-200218-002                              | 10,0         | 91-200218-003                              | ---          | ---                                        | ---          | ---                                           |
| MPRP-832-1-257  | 25,00        | 91-200257-021                              | ---          | ---                                        | 12,5         |                                            | 12,5         |                                            | 25,00        |                                               |
| MPRP-832-1-258  | ---          | ---                                        | 20,0         |                                            | 16,0         | 91-200258-023                              | 16,0         | 91-200258-106                              | ---          | ---                                           |
| MPRP-832-1-297  | ---          | ---                                        | 25,0         | 91-200297-022                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MPRP-832-1-298  | ---          | ---                                        | ---          | ---                                        | 20,0         | 91-200298-023                              | ---          | ---                                        | ---          | ---                                           |
| MPRP-832-1-358  | ---          | ---                                        | ---          | ---                                        | 25,00        | 91-200358-003                              | 20,0         | 91-200358-104                              | ---          | ---                                           |
| MPRP-832-1-2507 | 32,0         | 91-202507-021                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 32,0         | 91-202507-104                                 |
| MPRP-832-1-2907 | 40,0         | 91-202907-021                              | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 40,0         | 91-202907-005                                 |
| MPRP-832-1-2908 | ---          | ---                                        | 32,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MPRP-832-1-2512 | 50,0         | 91-202512-021                              | 40,0         |                                            | ---          | ---                                        | 25,0         | 91-202512-024                              | 50,0         | 91-202512-025                                 |
| MPRP-832-1-2912 | 63,0         | 91-202912-001                              | 50,0         | 91-202912-022                              | 32,0         | 91-202912-023                              | 40,0         | 91-202912-024                              | 63,0         |                                               |
| MPRP-832-1-3512 | 75,0         |                                            | 63,0         |                                            | 40,0         |                                            | ---          | ---                                        | 75,0         |                                               |
| MPRP-832-1-3515 | 100,0        | 91-203515-021                              | 80,0         |                                            | 63,0         | 91-203515-023                              | 50,0         | 91-203515-024                              | 100,0        |                                               |
| MPRP-832-1-3518 | 125,0        |                                            | 100,0        | 91-203518-022                              | 80,0         | 91-203518-023                              | 63,0         |                                            | 125,0        |                                               |
| MPRP-832-1-5515 | 150,0        |                                            | 150,0        |                                            | 100,0        | 91-205515-023                              | 100,0        | 91-205515-024                              | 150,0        | 91-205515-025                                 |
| MPRP-832-1-5520 | 200,0        |                                            | 200,0        |                                            | 150,0        |                                            | 150,0        |                                            | 200,0        |                                               |
| MPRP-832-1-5525 | 250,0        |                                            | 250,0        |                                            | 200,0        |                                            | 200,0        |                                            | 250,0        |                                               |

| Typ             | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |     |     |     |     |      | n    |
|-----------------|----------------|----------------|------------------|-----|-----|-----|-----|-----|------|------|
|                 |                |                | b                | b1  | t   | t1  | h   | h1  | d    |      |
| MPRP-832-1-217  | 2,2            | 22             | 240              | 200 | 350 | 200 | 438 | 218 | 8,5  | 2x2  |
| MPRP-832-1-218  | 2,4            | 23             | 240              | 200 | 350 | 200 | 438 | 218 | 8,5  | 2x2  |
| MPRP-832-1-257  | 3,1            | 25             | 315              | 275 | 425 | 275 | 438 | 218 | 8,5  | 3x3  |
| MPRP-832-1-258  | 3,3            | 27             | 315              | 275 | 425 | 275 | 438 | 218 | 8,5  | 3x3  |
| MPRP-832-1-297  | 4,5            | 33             | 315              | 275 | 425 | 275 | 438 | 218 | 8,5  | 3x3  |
| MPRP-832-1-298  | 4,8            | 35             | 315              | 275 | 425 | 275 | 438 | 218 | 8,5  | 3x3  |
| MPRP-832-1-358  | 5,6            | 41             | 390              | 350 | 500 | 350 | 440 | 220 | 8,5  | 3x3  |
| MPRP-832-1-2507 | 3,5            | 27             | 390              | 350 | 500 | 350 | 465 | 245 | 8,5  | 3x3  |
| MPRP-832-1-2508 | 3,9            | 29             | 390              | 350 | 500 | 350 | 465 | 245 | 8,5  | 3x3  |
| MPRP-832-1-2907 | 4,5            | 33             | 390              | 350 | 500 | 350 | 465 | 245 | 8,5  | 3x3  |
| MPRP-832-1-2908 | 4,7            | 34             | 390              | 350 | 500 | 350 | 465 | 245 | 8,5  | 3x3  |
| MPRP-832-1-2512 | 6,0            | 51             | 390              | 350 | 500 | 350 | 550 | 320 | 8,5  | 3x3  |
| MPRP-832-1-2912 | 8,0            | 57             | 390              | 350 | 500 | 350 | 550 | 320 | 8,5  | 3x3  |
| MPRP-832-1-3510 | 11,0           | 70             | 465              | 425 | 575 | 425 | 550 | 320 | 8,5  | 4,4  |
| MPRP-832-1-3512 | 12,0           | 76             | 465              | 425 | 575 | 425 | 550 | 320 | 8,5  | 4x4  |
| MPRP-832-1-3515 | 14,0           | 91             | 465              | 425 | 575 | 425 | 590 | 370 | 8,5  | 4x4  |
| MPRP-832-1-3518 | 16,3           | 103            | 465              | 425 | 575 | 425 | 630 | 410 | 8,5  | 4x4  |
| MPRP-832-1-3520 | 19,5           | 120            | 465              | 425 | 575 | 425 | 690 | 470 | 8,5  | 4x4  |
| MPRP-832-1-3524 | 22,5           | 135            | 465              | 425 | 575 | 425 | 690 | 470 | 8,5  | 4x4  |
| MPRP-832-1-5515 | 35,4           | 192            | 620              | 580 | 730 | 580 | 740 | 520 | 10,5 | 4x4* |
| MPRP-832-1-5520 | 50,7           | 255            | 620              | 580 | 730 | 580 | 740 | 520 | 10,5 | 4x4* |
| MPRP-832-1-5525 | 66,0           | 320            | 620              | 580 | 730 | 580 | 840 | 620 | 10,5 | 4x4* |

**Normen:**

EN 61558-2-13

Spartransformatoren

EN 61558-2-14

Stelltransformatoren

**Ausführungsmerkmale:**

- \* Einphasen Ringstellsparttransformator
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* im robusten Stahlgestell verbaut
- \* mit Motorantrieb 230V 50Hz 1,0 / 2,0 / 5,0 UpM oder 24VDC 4,0 / 14,0 UpM

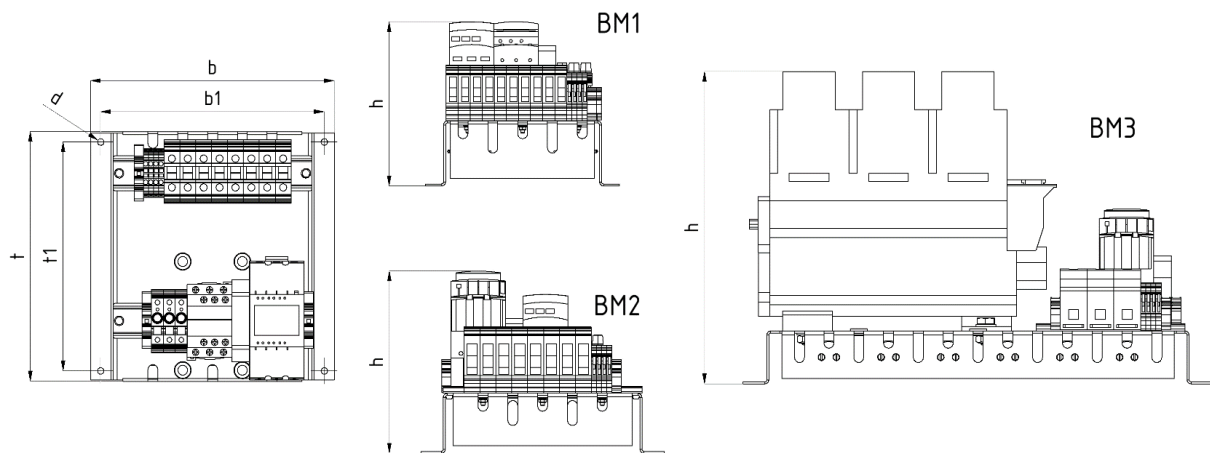




Alle Artikel zur Produktgruppe MP-832-1-AC-DC

| Typ           | Strom<br>[A] | Spannung<br>230 V<br>0 - 230 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 260 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 300 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>400 V<br>0 - 400 V<br>Art. Nr. | Strom<br>[A] | Spannung<br>230 V<br>0 - 115/230V<br>Art. Nr. |
|---------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|--------------------------------------------|--------------|-----------------------------------------------|
| MP-832-1-217  | 20,0         |                                            | ---          | ---                                        | ---          | ---                                        | 10,0         |                                            | 20,0         |                                               |
| MP-832-1-218  | ---          | ---                                        | 16,0         |                                            | 10,0         |                                            | ---          | ---                                        | ---          | ---                                           |
| MP-832-1-257  | 25,00        |                                            | ---          | ---                                        | 12,5         |                                            | 12,5         |                                            | 25,00        |                                               |
| MP-832-1-258  | ---          | ---                                        | 20,0         |                                            | 16,0         |                                            | 16,0         |                                            | ---          | ---                                           |
| MP-832-1-297  | ---          | ---                                        | 25,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-832-1-298  | ---          | ---                                        | ---          | ---                                        | 20,0         |                                            | ---          | ---                                        | ---          | ---                                           |
| MP-832-1-358  | ---          | ---                                        | ---          | ---                                        | 25,00        |                                            | 20,0         |                                            | ---          | ---                                           |
| MP-832-1-2507 | 32,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 32,0         |                                               |
| MP-832-1-2907 | 40,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                        | 40,0         |                                               |
| MP-832-1-2908 | ---          | ---                                        | 32,0         |                                            | ---          | ---                                        | ---          | ---                                        | ---          | ---                                           |
| MP-832-1-2512 | 50,0         | ---                                        | 40,0         |                                            | ---          | ---                                        | 25,0         |                                            | 50,0         |                                               |
| MP-832-1-2912 | 63,0         |                                            | 50,0         |                                            | 32,0         |                                            | 40,0         |                                            | 63,0         |                                               |
| MP-832-1-3512 | 75,0         |                                            | 63,0         |                                            | 40,0         |                                            | ---          | ---                                        | 75,0         |                                               |
| MP-832-1-3515 | 100,0        |                                            | 80,0         |                                            | 63,0         |                                            | 50,0         |                                            | 100,0        |                                               |
| MP-832-1-3518 | 125,0        |                                            | 100,0        |                                            | 80,0         |                                            | 63,0         |                                            | 125,0        |                                               |
| MP-832-1-5515 | 150,0        |                                            | 150,0        |                                            | 100,0        |                                            | 100,0        |                                            | 150,0        |                                               |
| MP-832-1-5520 | 200,0        |                                            | 200,0        |                                            | 150,0        |                                            | 150,0        |                                            | 200,0        |                                               |
| MP-832-1-5525 | 250,0        |                                            | 250,0        |                                            | 200,0        |                                            | 200,0        |                                            | 250,0        |                                               |

| Typ           | Kupfer<br>[kg] | Gesamt<br>[kg] | Abmessungen [mm] |     |     |     |     |     |      | n    |
|---------------|----------------|----------------|------------------|-----|-----|-----|-----|-----|------|------|
|               |                |                | b                | b1  | t   | t1  | h   | h1  | d    |      |
| MP-832-1-217  | 2,2            | 22             | 240              | 200 | 350 | 200 | 438 | 218 | 8,5  | 2x2  |
| MP-832-1-218  | 2,4            | 23             | 240              | 200 | 350 | 200 | 438 | 218 | 8,5  | 2x2  |
| MP-832-1-257  | 3,1            | 25             | 315              | 275 | 425 | 275 | 438 | 218 | 8,5  | 3x3  |
| MP-832-1-258  | 3,3            | 27             | 315              | 275 | 425 | 275 | 438 | 218 | 8,5  | 3x3  |
| MP-832-1-297  | 4,5            | 33             | 315              | 275 | 425 | 275 | 438 | 218 | 8,5  | 3x3  |
| MP-832-1-298  | 4,8            | 35             | 315              | 275 | 425 | 275 | 438 | 218 | 8,5  | 3x3  |
| MP-832-1-358  | 5,6            | 41             | 390              | 350 | 500 | 350 | 440 | 220 | 8,5  | 3x3  |
| MP-832-1-2507 | 3,5            | 27             | 390              | 350 | 500 | 350 | 465 | 245 | 8,5  | 3x3  |
| MP-832-1-2508 | 3,9            | 29             | 390              | 350 | 500 | 350 | 465 | 245 | 8,5  | 3x3  |
| MP-832-1-2907 | 4,5            | 33             | 390              | 350 | 500 | 350 | 465 | 245 | 8,5  | 3x3  |
| MP-832-1-2908 | 4,7            | 34             | 390              | 350 | 500 | 350 | 465 | 245 | 8,5  | 3x3  |
| MP-832-1-2512 | 6,0            | 51             | 390              | 350 | 500 | 350 | 550 | 320 | 8,5  | 3x3  |
| MP-832-1-2912 | 8,0            | 57             | 390              | 350 | 500 | 350 | 550 | 320 | 8,5  | 3x3  |
| MP-832-1-3510 | 11,0           | 70             | 465              | 425 | 575 | 425 | 550 | 320 | 8,5  | 4,4  |
| MP-832-1-3512 | 12,0           | 76             | 465              | 425 | 575 | 425 | 550 | 320 | 8,5  | 4x4  |
| MP-832-1-3515 | 14,0           | 91             | 465              | 425 | 575 | 425 | 590 | 370 | 8,5  | 4x4  |
| MP-832-1-3518 | 16,3           | 103            | 465              | 425 | 575 | 425 | 630 | 410 | 8,5  | 4x4  |
| MP-832-1-3520 | 19,5           | 120            | 465              | 425 | 575 | 425 | 690 | 470 | 8,5  | 4x4  |
| MP-832-1-3524 | 22,5           | 135            | 465              | 425 | 575 | 425 | 690 | 470 | 8,5  | 4x4  |
| MP-832-1-5515 | 35,4           | 192            | 620              | 580 | 730 | 580 | 740 | 520 | 10,5 | 4x4* |
| MP-832-1-5520 | 50,7           | 255            | 620              | 580 | 730 | 580 | 740 | 520 | 10,5 | 4x4* |
| MP-832-1-5525 | 66,0           | 320            | 620              | 580 | 730 | 580 | 840 | 620 | 10,5 | 4x4* |

**Ausführungsmerkmale:**

- \* Dreiphasen Einschaltstrombegrenzer
- \* kompakte Bauweise
- \* Offene Ausführung für ortsfesten Einbau
- \* Isolierstoffklasse B, max. Umgebungstemperatur 40°C (ta 40°C/B)
- \* Vormagnetisierungszeit 0,7sec
- \* max. 10 Schaltungen pro Stunde

Alle Artikel zur Produktgruppe MP-ESB

| Typ        | Nennstrom [A] | Vormagnetisierungsstrom [A] | Artikelnummer |
|------------|---------------|-----------------------------|---------------|
| MP-ESB-25  | 25,0          | 2,3                         | 95-900000-053 |
| MP-ESB-32  | 32,0          | 2,3                         | 95-900000-051 |
| MP-ESB-40  | 40,0          | 4,0                         | 95-900000-016 |
| MP-ESB-50  | 50,0          | 4,0                         | 95-900000-049 |
| MP-ESB-65  | 65,0          | 4,0                         | 95-900000-043 |
| MP-ESB-80  | 80,0          | 4,0                         | 95-900000-021 |
| MP-ESB-95  | 95,0          | 4,0                         | 95-900000-013 |
| MP-ESB-115 | 115,0         | 10,0                        | 95-900000-025 |
| MP-ESB-150 | 150,0         | 10,0                        | 95-900000-026 |
| MP-ESB-225 | 225,0         | 10,0                        | 95-900000-032 |
| MP-ESB-265 | 265,0         | 10,0                        | 95-900000-060 |
| MP-ESB-330 | 330,0         | 20,0                        | 95-900000-061 |
| MP-ESB-400 | 400,0         | 20,0                        | 95-900000-062 |
| MP-ESB-500 | 500,0         | 20,0                        | 95-900000-063 |
| MP-ESB-630 | 630,0         | 20,0                        | 95-900000-064 |
| MP-ESB-800 | 800,0         | 20,0                        | 95-900000-070 |

| Typ        | Gesamt<br>[kg] | Abmessungen [mm] |     |     |     |     |     |
|------------|----------------|------------------|-----|-----|-----|-----|-----|
|            |                | b                | b1  | d   | t   | t1  | h   |
| MP-ESB-25  | 4,0            | 195              | 175 | 6,5 | 243 | 225 | 250 |
| MP-ESB-32  | 4,0            | 195              | 175 | 6,5 | 243 | 225 | 250 |
| MP-ESB-40  | 5,0            | 250              | 225 | 6,5 | 243 | 225 | 250 |
| MP-ESB-50  | 5,0            | 250              | 225 | 6,5 | 243 | 225 | 250 |
| MP-ESB-65  | 6,0            | 250              | 225 | 6,5 | 243 | 225 | 250 |
| MP-ESB-80  | 7,0            | 250              | 225 | 6,5 | 243 | 225 | 250 |
| MP-ESB-95  | 7,0            | 250              | 225 | 6,5 | 243 | 225 | 250 |
| MP-ESB-115 | 7,0            | 300              | 275 | 6,5 | 345 | 300 | 345 |
| MP-ESB-150 | 9,0            | 300              | 275 | 6,5 | 345 | 300 | 345 |
| MP-ESB-225 | 10,0           | 300              | 275 | 6,5 | 345 | 300 | 345 |
| MP-ESB-265 | 14,0           | 473              | 450 | 8,5 | 345 | 300 | 345 |
| MP-ESB-330 | 16,0           | 473              | 450 | 8,5 | 345 | 300 | 345 |
| MP-ESB-400 | 18,5           | 473              | 450 | 8,5 | 345 | 300 | 345 |
| MP-ESB-500 | 21,5           | 473              | 450 | 8,5 | 345 | 300 | 345 |
| MP-ESB-630 | 28,5           | 473              | 450 | 8,5 | 345 | 300 | 345 |
| MP-ESB-800 | 46,8           | 473              | 450 | 8,5 | 345 | 300 | 345 |

### Ausführungsmerkmale:

- \* Drehknopf
- \* Skala
- \* Zubehör für Handantrieb



### Drehknöpfe

| Typ       | Artikelnummer | Abmessungen [mm] |   |   |    |    |
|-----------|---------------|------------------|---|---|----|----|
|           |               | a                | b | c | d  | e  |
| MP-K40-6  | 29-001200-001 |                  |   |   | 40 | 6  |
| MP-K60-6  | 29-001200-002 |                  |   |   | 60 | 6  |
| MP-K90-8  | 29-001200-009 |                  |   |   | 90 | 8  |
| MP-K90-10 | 29-001200-005 |                  |   |   | 90 | 10 |

### Skalen

| Typ         | Artikelnummer | Ø   | Beschriftung |
|-------------|---------------|-----|--------------|
| MP-S60-100  | 29-001100-001 | 60  | 0-100%       |
| MP-S90-100  | 29-001100-002 | 90  | 0-100%       |
| MP-S130-100 | 29-001100-003 | 130 | 0-100%       |

### Zubehör für Handantrieb

| Typ | Artikelnummer | Beschreibung                       |
|-----|---------------|------------------------------------|
|     |               | Welle D6 bis max. 55mm verlängert  |
|     |               | Welle D8 bis max. 55mm verlängert  |
|     |               | Welle D10 bis max. 55mm verlängert |
|     | 34-900006-101 | Wellenverlängerung D6/D6 +100mm    |
|     | 34-900006-102 | Wellenverlängerung D6/D6 +200mm    |
|     | 34-900006-103 | Wellenverlängerung D6/D6 +300mm    |
|     | 34-900008-101 | Wellenverlängerung D8/D8 +100mm    |
|     | 34-900008-102 | Wellenverlängerung D8/D8 +200mm    |
|     | 34-900008-103 | Wellenverlängerung D8/D8 +300mm    |
|     | 34-900008-105 | Wellenverlängerung D8/D8 +500mm    |
|     | 34-900010-101 | Wellenverlängerung D10/D10 +100mm  |
|     | 34-900010-102 | Wellenverlängerung D10/D10 +200mm  |
|     | 34-900010-103 | Wellenverlängerung D10/D10 +300mm  |
|     | 34-900010-105 | Wellenverlängerung D10/D10 +500mm  |
|     | 95-900000-029 | Verstellbarer Anschlag D6          |
|     | 95-900000-030 | Verstellbarer Anschlag D8          |
|     | 95-900000-008 | Verstellbarer Anschlag D10         |

### Ausführungsmerkmale:

- \* Motorantriebe
- \* Regelungen
- \* Zubehör für Einphasen-Ringstelltransformatoren
- \* Zubehör für Dreiphasen-Ringstelltransformatoren



### Motorantriebe, Regelungen und Zubehör für Einphasen-Ringstelltransformatoren

| Typ     | Artikelnummer    | Beschreibung                                     |
|---------|------------------|--------------------------------------------------|
|         | im Transformator | Synchronmotorantrieb 230V 50Hz 1,0 UpM 5 Nm      |
|         | im Transformator | Synchronmotorantrieb 230V 50Hz 2,0 UpM 5 Nm      |
|         | im Transformator | Synchronmotorantrieb 230V 50Hz 5,0 UpM 5 Nm      |
|         | im Transformator | Synchronmotorantrieb in Sonderausführung 5 Nm    |
|         | im Transformator | DC-Motorantrieb 24VDC 4,0 UpM 4 Nm               |
|         | im Transformator | DC-Motorantrieb 24VDC 14,0 UpM 4 Nm              |
|         | im Transformator | DC-Motorantrieb in Sonderausführung 4 Nm         |
| MPESZKP | im Transformator | Zusätzliche Endlagenkontakte in Min und Max      |
|         | im Transformator | Regelkarte MPRP2010 inkl. DC-Motorantrieb        |
|         | im Transformator | Regelkarte MPRP2010 für Varima (Serie 715)       |
|         | im Transformator | Thermoschalter (Öffner) 1,6A auf Klemmen geführt |
|         | im Transformator | Rückführpotentiometer 1kOhm 1W                   |

### Motorantriebe, Regelungen und Zubehör für Dreiphasen-Ringstelltransformatoren

| Typ     | Artikelnummer    | Beschreibung                                     |
|---------|------------------|--------------------------------------------------|
|         | im Transformator | Synchronmotorantrieb 230V 50Hz 1,0 UpM 5 Nm      |
|         | im Transformator | Synchronmotorantrieb 230V 50Hz 2,0 UpM 5 Nm      |
|         | im Transformator | Synchronmotorantrieb 230V 50Hz 5,0 UpM 5 Nm      |
|         | im Transformator | Synchronmotorantrieb in Sonderausführung 5 Nm    |
|         | im Transformator | DC-Motorantrieb 24VDC 4,0 UpM 4 Nm               |
|         | im Transformator | DC-Motorantrieb 24VDC 14,0 UpM 4 Nm              |
|         | im Transformator | DC-Motorantrieb in Sonderausführung 4 Nm         |
|         | im Transformator | Vorgelege zu Motorantrieben 2,28:1               |
| MPESZKP | im Transformator | Zusätzliche Endlagenkontakte in Min und Max      |
|         | im Transformator | Regelkarte MPRP2010 inkl. DC-Motorantrieb        |
|         | im Transformator | Thermoschalter (Öffner) 1,6A auf Klemmen geführt |
|         | im Transformator | Rückführpotentiometer 1kOhm 1W                   |

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### Ausführungsmerkmale:

\* Zubehör für Regelelektronik MPRP2010



### Zubehör für Regelelektronik MPRP2010

| Artikelnummer    | Beschreibung                                                                             |
|------------------|------------------------------------------------------------------------------------------|
| im Transformator | Regelstopp (Ansteuerung 24VDC 50mA)                                                      |
| 27-008800-050    | 7fach Sollwertvorgabe                                                                    |
| 27-008800-051    | Relaiskarte für Bereitausgang zur Regelkarte MPRP2010                                    |
| 27-008800-123    | RS232-Schnittstelle zur Regelkarte MPRP2010                                              |
| 27-008800-077    | Empfänger-Kit zu Regelkarte 250mm lang (inkl. Fernbedienung, Batterie und IR-Empfänger)  |
| 27-008800-078    | Empfänger-Kit zu Regelkarte 500mm lang (inkl. Fernbedienung, Batterie und IR-Empfänger)  |
| 27-008800-079    | Empfänger-Kit zu Regelkarte 1000mm lang (inkl. Fernbedienung, Batterie und IR-Empfänger) |
| 27-008800-080    | Empfänger-Kit zu Regelkarte 1500mm lang (inkl. Fernbedienung, Batterie und IR-Empfänger) |

## Ersatzteile

### Ausführungsmerkmale:

\* Ersatzteile für Einphasen-Ringstelltransformatoren



### Ersatzteile für Einphasen-Ringstelltransformatoren

| Artikelnummer | Beschreibung                                                  |
|---------------|---------------------------------------------------------------|
| 19-900000-000 | Reinigungsset zur Wartung von Stelltransformatoren            |
| 19-900000-001 | Kohlerollenset für Serie 683+684 bis 1,25A (Kohlerolle 10/4)  |
| 19-900000-002 | Kohlerollenset für Serie 683+684 bis 3,2A (Kohlerolle 12/6)   |
| 19-900000-003 | Kohlerollenset für Serie 715 bis 3,2A (Kohlerolle 14/6)       |
| 19-900000-004 | Kohlerollenset für Serie 683+684 bis 6,3A (Kohlerolle 19/8)   |
| 19-900000-005 | Kohlerollenset für Serie 683+684 bis 12,5A (Kohlerolle 24/12) |
| 19-900000-006 | Kohlerollenset für Serie 683+684 bis 12,5A (Kohlerolle 29/12) |
| 19-900000-007 | Kohlerollenset für Serie 684+685 bis 25,0A (Kohlerolle 35/20) |
| 19-900000-010 | Ersatzteil Kupplungsset                                       |
| 19-900000-011 | Ersatzteil Antriebsset Motor 230V 50Hz 1,0 UpM                |
| 19-900000-012 | Ersatzteil Antriebsset Motor 230V 50Hz 2,0 UpM                |
| 19-900000-013 | Ersatzteil Antriebsset Motor 230V 50Hz 5,0 UpM                |
| 19-900000-014 | Ersatzteil Antriebsset Motor 24VDC 4,0 UpM                    |
| 19-900000-015 | Ersatzteil Antriebsset Motor 24VDC 14,0 UpM                   |
| 19-900000-016 | Ersatzteil Endschalteset für MPRP-Einheiten                   |
| 19-900000-017 | Ersatzteil Endschalteset für DC-Motoren                       |
| 19-900000-018 | Ersatzteil Endschalteset für AC-Motoren                       |
| 29-001600-001 | Schutzkappe Baugröße 60 DGUV-V3                               |
| 29-001600-002 | Schutzkappe Baugröße 70 DGUV-V3                               |
| 29-001600-003 | Schutzkappe Baugröße 80 DGUV-V3                               |
| 29-001600-004 | Schutzkappe Baugröße 90 DGUV-V3                               |
| 29-001600-005 | Schutzkappe Baugröße 110 DGUV-V3                              |



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