

# Drossel - Datenblatt

## Choke – data sheet



### Typennummer / Identification

|              |                  |                   |
|--------------|------------------|-------------------|
| BV-Nr        | BV-No.           | <b>MR3 400/24</b> |
| Kundennr.    | Customer Id.-No. | -                 |
| Material Nr. | Material No.     | -                 |
| Baureihe     | Series           | <b>MR3</b>        |

|               |                 |                         |
|---------------|-----------------|-------------------------|
| Drosselart    | Type of reaktor | <b>3~ Motor Reactor</b> |
| Kernform      | Core type       | <b>3UI 60/31</b>        |
| Blechqualität | Core quality    | <b>M165-35S</b>         |
| Kernleistung  | Core rating     | -                       |

### Technische Daten / Technical Data

|                              |                         |         |                                           |
|------------------------------|-------------------------|---------|-------------------------------------------|
| Phasenzahl                   | No. of phase            |         | <b>3</b>                                  |
| Schaltgruppe                 | Circuit type            |         | <b>IIIIO</b>                              |
| Wicklungswiderstand          | Winding resistance      | [ mΩ ]  | <b>10,9</b>                               |
| Bemessungsspannung Isolation | Rated voltage isolation | [ V ]   | <b>max. 690V ( IEC )</b> max. 600V ( UL ) |
| Bemessungsfrequenz           | Rated frequency         | [ Hz ]  | <b>0-50</b>                               |
| Bemessungsspannung uk        | Rated voltage uk        | [ V ]   | <b>400</b>                                |
| Induktivität L               | Inductance L            | [ mH ]  | <b>0,27</b>                               |
| L Toleranz                   | L tolerance             | [ % ]   | <b>± 10</b>                               |
| Bemessungsstrom @ 400V       | Rated current @ 400V    | [ A ]   | <b>24</b>                                 |
| Bemessungsstrom @ 690V       | Rated current @ 690V    | [ A ]   | <b>16,8</b>                               |
| Taktfrequenz                 | Switching frequency     | [ kHz ] | <b>3-8</b>                                |
| Prüfspannung                 | Test voltage            | [ kV ]  | <b>4,0</b>                                |

### Betriebsbedingungen / Operating conditions

|                      |                      |         |                   |
|----------------------|----------------------|---------|-------------------|
| Umgebungstemperatur  | Ambient temperature  | [ °C ]  | <b>-10....+40</b> |
| Temperaturklasse VDE | Class ISO °C VDE     |         | <b>F</b>          |
| Temperaturklasse UL  | Class ISO °C UL      |         | <b>Class 130</b>  |
| Kühlungsart          | Type of cooling      |         | <b>AN</b>         |
| Luftgeschwindigkeit  | Wind speed           | [ m/s ] | <b>-</b>          |
| Betriebsart          | Operating conditions |         | <b>DB</b>         |

### Ausführung / Standards

|                                                 |                 |
|-------------------------------------------------|-----------------|
| Typ / Type:                                     | Zeichen / Signs |
| VDE 0570 / EN 61 558 Teil 1                     |                 |
| VDE 0570 / EN 61 558 Teil 20                    |                 |
| cUL approbiert / approved ( UL 506 ; CSA 22.2 ) |                 |

### Weitere Technische Daten / Other Technical Data

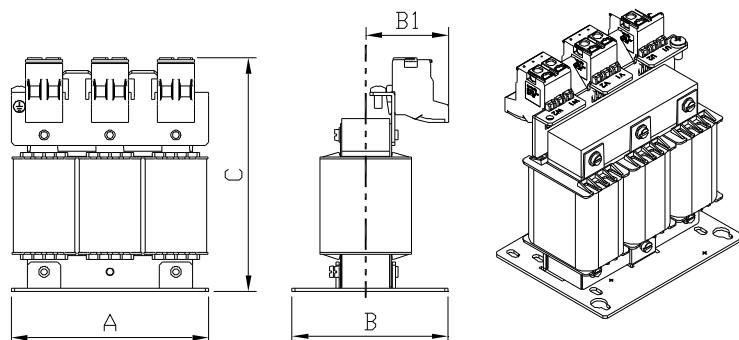
### Bemerkung / Notes

Die angegebenen technischen Daten sind typisch.  
 Material- und fertigungsbedingt können Abweichungen auftreten.

Technical specifications are typical.  
 They can vary due to material and production tolerances.

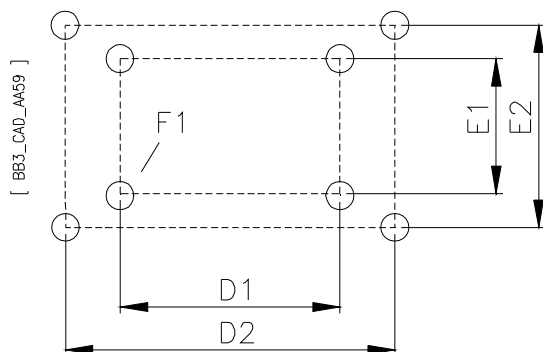
|                |          |                                        |           |          |
|----------------|----------|----------------------------------------|-----------|----------|
| Original Date: | 21.07.11 | Observe protection clause to ISO 16016 | Index     | 0        |
| Name:          | Schulz   |                                        | Doc. type | MR3      |
| Date:          | 21.07.11 |                                        | Rev. Date | 21.07.11 |
| Checked:       | Lauer    |                                        | Abt.      | EWN      |

## Abmessungen / Dimensions



| A            | B           | B1          | C *          |
|--------------|-------------|-------------|--------------|
| <b>120mm</b> | <b>95mm</b> | <b>50mm</b> | <b>142mm</b> |

## Befestigungsmaße / Mounting dimensions



D1 – D2 = Montagelochung nach DIN 41308  
 Mounting holes accordance to DIN 41308

D2 – E2 = Alternative Montagelochung 1  
 Alternate mounting holes 1

| D1          | E1          | D2           | E2            |
|-------------|-------------|--------------|---------------|
| <b>90mm</b> | <b>49mm</b> | <b>105mm</b> | <b>73,5mm</b> |

## Gewichte / Wights

|                   |               |        |      |
|-------------------|---------------|--------|------|
| Gewicht ( netto ) | Weight        | [ kg ] | 2,2  |
| Kupfergewicht     | Copper weight | [ kg ] | 0,45 |

## Bemerkung / Notes

Einzelheiten der Darstellung in der Aufbauskitze sind unverbindlich.  
 Allgemeintoleranzen DIN 7168-m  
 Änderungen vorbehalten.  
 \* = Typisch variiert durch Luftspalteinlage

Technical specifications in the drawing are not binding.  
 General tolerance to DIN 7168-m.  
 Subject to change  
 \* = Typical variable air gab

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