

## Radio interference suppression filter, three phase, low leakage current **HLD 310-500/180**



### Advantages

|                                                                   |
|-------------------------------------------------------------------|
| For enhanced requirements                                         |
| Low leakage current                                               |
| Single-stage filter concept                                       |
| Efficient filter effect against line-bound interference emissions |
| Increase in the interference immunity of the connected consumer   |

### Applications

Radio interference suppression filter for line-side interference suppression of single devices, frequency converters or as group interference suppression.

### Standards

Radio interference suppression filter complying with  
DIN EN 60939-2, UL 1283, CSA C22.2 No.8

### Approvals



UL 1283 5th edition, CSA 22.2 No 8



# Radio interference suppression filter, three phase, low leakage current

## HLD 310-500/180

### Electrical data

| Type                      | HLD 310-500/180                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| Operating data            |                                                                                                                    |
| Rated voltage             | 3 x 520 Vac                                                                                                        |
| Voltage range             | 0 - 3 x 520 Vac                                                                                                    |
| Rated current             | 3 x 180 A                                                                                                          |
| Leakage current (50 Hz)*  | <0.40 mA                                                                                                           |
| Leakage current (50 Hz)** | <3.50 mA                                                                                                           |
| Power loss                | 150.0 W                                                                                                            |
| Overtopping Capacity      | 150 %, shortly                                                                                                     |
| Input                     |                                                                                                                    |
| Rated frequency           | 50 - 60 Hz                                                                                                         |
| Standards                 |                                                                                                                    |
| Classification            | EMI filter                                                                                                         |
| Approvals                 |                                                                                                                    |
| Approvals                 | cURus, UL 1283 5th edition, CSA 22.2 No.8                                                                          |
| Environment               |                                                                                                                    |
| Climatic category         | 25/085/21<br>(in accordance with EN 60068-1)                                                                       |
| Ambient temperature max.  | 50 °C                                                                                                              |
| Safety and protection     |                                                                                                                    |
| SCCR***                   | 100 kA                                                                                                             |
| Type                      | Metal enclosure                                                                                                    |
| Protection index          | IP 20                                                                                                              |
| Safety class (prepared)   | I                                                                                                                  |
| Test voltage              | 2150 Vdc Phase/Phase, 2700 Vdc Phase/PE                                                                            |
| Notes                     |                                                                                                                    |
| *                         | Leakage current measured against the maximum permissible input voltage fluctuation in accordance with IEC 38 ±10 % |
| **                        | Leakage current by loss of two phases                                                                              |
| ***                       | with corresponding preliminary fuse                                                                                |
| Order numbers             |                                                                                                                    |
| Order Number              | HLD 310-500/180                                                                                                    |

### Mechanical data

| Type                  | HLD 310-500/180     |
|-----------------------|---------------------|
| Terminal and mounting |                     |
| Connections phase     | Screw clamp, 95 mm² |
| Connections PE        | Bolt, M10           |
| Fixing method         | Mounting lugs       |
| Fixing screws         | M6                  |
| Measures and weights  |                     |
| Weight                | 9.20 kg             |

