

# Radio interference suppression filter, three-phase HLD 110-500/180



Picture shows HLD 110-500/30

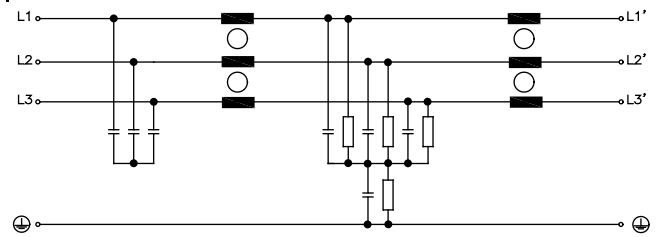
## Advantages

- For enhanced requirements
- 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 inverters or as group interference suppression.

## Sample application



## 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 voltage suppression filter, three-phase HLD 110-500/180

| Type                         |  | HLD 110-500/180 |
|------------------------------|--|-----------------|
| <b>Electrical data</b>       | <b>Operating data</b>  |                 |
|                              | Rated voltage  | 3 x 520 Vac     |
|                              | Voltage range  | 3 x 0 - 520 Vac |
|                              | Rated current  | 3 x 180 A       |
|                              | Leakage current (50 Hz)*   | 31.00 mA        |
|                              | Leakage current (50 Hz)**  | 300.00 mA       |
|                              | Rated frequency  | 50 - 60 Hz      |
|                              | Power loss   | 150.0 W         |
|                              | Overtopping Capacity   | 150 %, shortly  |
|                              | <b>Approvals</b>   |                 |
| <b>Environment</b>           |  |                 |
| Ambient temperature max.     | 50 °C  |                 |
| Climatic category            | 25/085/21<br>[in accordance with EN 60068-1]   |                 |
| <b>Safety and protection</b> |  |                 |
| SCCR***                      | 100 kA   |                 |
| Protection index             | IP 20  |                 |
| Type                         | Metal enclosure  |                 |
| Safety class (prepared)      | I  |                 |
| Test voltage                 | 2150 Vdc Phase/Phase, 2700 Vdc Phase/PE  |                 |
| <b>Notes</b>                 |  |                 |
| *                            | 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  |                 |
| <b>Order numbers</b>         |  |                 |
| <b>Order Number</b>          | <b>HLD 110-500/180</b>   |                 |

| Type                        |                              | HLD 110-500/180                 |
|-----------------------------|------------------------------|---------------------------------|
| <b>Mechanical data</b>      | <b>Terminal and mounting</b> |                                 |
|                             | Terminals phase              | Screw clamp, 95 mm <sup>2</sup> |
|                             | Terminals PE                 | Bolt, M10                       |
|                             | Fixing method                | Mounting lugs                   |
|                             | Fixing screws                | M6                              |
| <b>Measures and weights</b> |                              |                                 |
| Weight                      | 9.2 kg                       |                                 |

