

Line reactor, three-phase **LR3 40-3/1400**



Picture shows LR3 40-4/63

Advantages

| |
|--|
| Use as line reactor, commutating reactor or PFC reactor |
| Ensuring the short-circuit voltage of 3, 4 or 5 % to the mains |
| Power harmonic damping |
| Starting current limitation |
| Increases the service life of consumers |
| Low ripple |
| Bridging voltage dips |
| Peak current limitation |
| Very good corrosion protection and low noise thanks to vacuum impregnation |
| Integrated lifting rings |
| Multifunctional fixing rails |

Applications

Line reactor to minimise mains pollution, to reduce the reactive-power components and charging currents in the DC link capacitor and to improve the cos(phi).

Standards

Line- and commutation reactor to
DIN EN 61558-2-20, IEC 61558-2-20, UL 506, CSA 22.2

Approvals



UL 506, CSA 22.2



Line reactor, three-phase LR3 40-3/1400

| Type | | LR3 40-3/1400 |
|-------------------------|--------------------------|---------------|
| Electrical data | Operating data | |
| | Rated voltage | 3 x 400 Vac |
| | Rated voltage (IEC) | 3 x 690 Vac |
| | Rated voltage (UL) | 3 x 600 Vac |
| | Short circuit voltage uK | 3 % @ 400 Vac |
| | Voltage drop | 6.9 Vac |
| | Rated current | 3 x 1400 A |
| | Rated frequency | 50 - 60 Hz |
| | Inductance | 0.016 mH |
| | Inductance deviation | ±10% |
| | Output | |
| | Power loss | 3427.0 W |
| | Approvals | |
| | Approvals | cURus |
| | Environment | |
| Ambient temperature | -10 °C to +40 °C | |
| Type of cooling | AN | |
| Safety and protection | | |
| Type | Open type | |
| Insulation class | IEC=H, UL=class 180 | |
| Protection index | IP 00 | |
| Safety class (prepared) | I | |
| Test voltage | 4000 Vac | |
| Order numbers | | |
| Order Number | LR3 40-3/1400 | |

| Type | | LR3 40-3/1400 |
|-----------------|-----------------------|---------------|
| Mechanical data | Terminal and mounting | |
| | Terminals phase | Flat copper |
| | Terminals PE | for M16 |
| | Fixing method | Fixing rail |
| | Fixing screws | M12 |
| | Measures and weights | |
| | Weight | 145.24 kg |

