

Line reactor, three-phase **LR3 48-5/1600**



Picture shows LR3 40-4/63

Advantages

| |
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| Use as line reactor, commutating reactor or PFC reactor |
| Ensuring the short-circuit voltage of 3 - 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 minimize 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 48-5/1600

| Type | | LR3 48-5/1600 |
|-------------------------|--------------------------|---------------|
| Electrical data | Operating data | |
| | Rated voltage | 3 x 480 Vac |
| | Short circuit voltage uK | 5 % @ 480 Vac |
| | Voltage drop | 13.9 Vac |
| | Rated current | 1600 A |
| | Rated frequency | 50 - 60 Hz |
| | Inductance | 0.023 mH |
| | Inductance deviation | ±10% |
| | Approvals | |
| | Approvals | cURus, cULus |
| 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 48-5/1600 | |

| Type | | LR3 48-5/1600 |
|----------------------|-----------------------|---------------|
| Mechanical data | Terminal and mounting | |
| | Terminals phase | Flat copper |
| | Terminals PE | for M10 |
| | Fixing method | Fixing rail |
| | Fixing screws | M12 |
| Measures and weights | | |
| Weight | 344.5 kg | |

