

Line reactor, three-phase, aluminium

LR3A 40-3/630 Discontinued line - not for new designs



Image shows LR3A 40-4/115

Advantages

| |
|--|
| Use as line reactor, commutating reactor or PFC reactor |
| Weight reduction through aluminum winding |
| 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 |

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



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| Type | LR3A 40-3/630 Discontinued line - not for new designs |
|----------------------------|--|
| 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 |
| Rated frequency range high | 50 Hz |
| Voltage drop | 6.9 Vac |
| Rated current | 630 A |
| Inductance | 0.035 mH |
| Inductance deviation | ±10 % |
| Output | |
| Power loss | 1881.0 W |
| Approvals | |
| Approvals | cURus |
| Environment | |
| Ambient temperature | -10 °C to +40 °C |
| Type of cooling | AN |
| Safety and protection | |
| Type | Open type |
| Protection index | IP 00 |
| Safety class (prepared) | I |
| Insulation class | IEC=H, UL=class 180 |
| Test voltage | 4000 Vac |
| Order numbers | |
| Order Number | LR3A 40-3/630 Discontinued line - not for new designs |

| Type | LR3A 40-3/630 Discontinued line - not for new designs |
|------------------------|--|
| Mechanical data | |
| Terminal and mounting | |
| Terminals phase | Flat copper |
| Terminals PE | for M8 |
| Fixing method | Fixing rail |
| Fixing screws | M8 |
| Measures and weights | |
| Weight | 53.15 kg |

