

Line reactor, three-phase, aluminium

## LR3A 40-4/1000 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

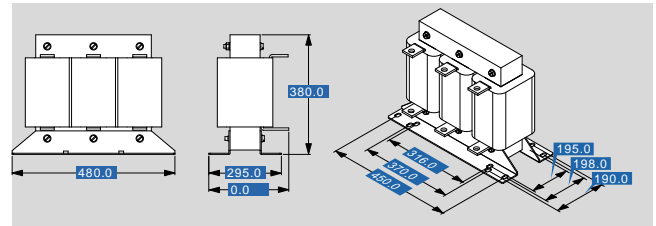


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| Type                       | LR3A 40-4/1000<br>Discontinued line - not for new designs     |
|----------------------------|---|
| <b>Electrical data</b>     |   |
| Operating data             |   |
| Rated voltage              | 3 x 400 Vac   |
| Rated voltage (IEC)        | 3 x 690 Vac   |
| Rated voltage (UL)         | 3 x 600 Vac   |
| Short circuit voltage uK   | 4 % @ 400 Vac   |
| Rated frequency range high | 50 Hz   |
| Voltage drop               | 9.2 Vac   |
| Rated current              | 1000 A  |
| Inductance                 | 0.030 mH  |
| Inductance deviation       | ±10 %   |
| Output                     |   |
| Power loss                 | 3600.0 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              |   |
| <b>Order Number</b>        | <b>LR3A 40-4/1000 Discontinued line - not for new designs</b> |

| Type                   | LR3A 40-4/1000<br>Discontinued line - not for new designs |
|------------------------|---|
| <b>Mechanical data</b> |   |
| Terminal and mounting  |   |
| Terminals phase        | Flat copper   |
| Terminals PE           | for M10   |
| Fixing method          | Fixing rail   |
| Fixing screws          | M10   |
| Measures and weights   |   |
| Weight                 | 145.00 kg   |



Subject to change.