

## Line reactor, three-phase **LR3 40-3/6**



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 mitigation   |
| Starting current limitation   |
| Increases the service life of equipment                                 |
| Low ripple  |
| Bridging voltage dips   |
| Peak current limitation   |
| Very good corrosion protection and low noise due 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 40-3/6

| Type                    |                          | LR3 40-3/6    |
|-------------------------|--------------------------|---------------|
| 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 6 A       |
|                         | Rated frequency          | 50 - 60 Hz    |
|                         | Inductance               | 3.7 mH        |
|                         | Inductance deviation     | ±10%          |
|                         | Output                   |               |
|                         | Power loss               | 14.7 W        |
|                         | Approvals                |               |
|                         | Approvals                | cURus         |
|                         | Environment              |               |
| Ambient temperature     | 14 °F to +104 °F         |               |
| Type of cooling         | AN                       |               |
| Safety and protection   |                          |               |
| Type                    | Open type                |               |
| Insulation class        | IEC=B, UL=class 130      |               |
| Protection index        | IP 00                    |               |
| Safety class (prepared) | I                        |               |
| Test voltage            | 4000 Vac                 |               |
| Order numbers           |                          |               |
| Order Number            | LR3 40-3/6               |               |

| Type            |                       | LR3 40-3/6                     |
|-----------------|-----------------------|--------------------------------|
| Mechanical data | Terminal and mounting |                                |
|                 | Terminals phase       | Screw clamp, 4 mm <sup>2</sup> |
|                 | Connection type       | Tab connector, 6.3 x 0.8 mm    |
|                 | Fixing method         | Fixing rail                    |
|                 | Fixing screws         | M4                             |
|                 | Measures and weights  |                                |
|                 | Weight                | 2.07 lbs                       |

### Dimensions in inch

