

## Line reactor, three-phase **LR3 40-3/2**



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 40-3/2

| Type                    |                          | LR3 40-3/2    |
|-------------------------|--------------------------|---------------|
| 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 2 A       |
|                         | Rated frequency          | 50 - 60 Hz    |
|                         | Inductance               | 11 mH         |
|                         | Inductance deviation     | ±10%          |
|                         | Output                   |               |
|                         | Power loss               | 4.9 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 40-3/2               |               |

| Type                  |                 | LR3 40-3/2                     |
|-----------------------|-----------------|--------------------------------|
| 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                    |
| Measures and weights  | Fixing screws   | M4                             |
|                       | Weight          | 1.17 lbs                       |

### Mechanical data

