

## Line reactor, three-phase **LR3 40-5/50**



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 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 minimise mains pollution, to reduce the reactive-power components and charging currents in the DC link capacitor and to improve the cos(φ).

### 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 40-5/50

### Electrical data

Type	LR3 40-5/50
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 u <sub>k</sub>	5 % @ 400 Vac
Voltage drop	11.6 Vac
Rated current	3 x 50 A
Rated frequency	50 - 60 Hz
Inductance	0.735 mH
Inductance deviation	±10%
Output	
Power loss	172.8 W
Approvals	
Approvals	cURus
Environment	
Ambient temperature	-10 °C to +40 °C
Type of cooling	AN
Safety and protection	
Type	Open type
Insulation class	IEC=F, UL=class 155
Protection index	IP 00
Safety class (prepared)	I
Test voltage	4000 Vac
Order numbers	
Order Number	LR3 40-5/50

### Mechanical data

Type	LR3 40-5/50
Terminal and mounting	
Terminals phase	Screw clamp, 35 mm <sup>2</sup>
Terminals PE	for M6
Fixing method	Fixing rail
Fixing screws	M6
Measures and weights	
Weight	10.80 kg

