

## Line reactor, three-phase **LR3 48-5/70**



Picture shows LR3 40-4/63

### Advantages

- Use as line reactor, commutating reactor or PFC reactor
- Ensuring the short-circuit voltage of 3 - 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 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 48-5/70

Type		LR3 48-5/70
Electrical data	Operating data	
	Rated voltage	3 x 480 Vac
	Short circuit voltage uK	5 % @ 480 Vac
	Voltage drop	13.9 Vac
	Rated current	70 A
	Rated frequency	50 - 60 Hz
	Inductance	0.525 mH
	Inductance deviation	±10%
	Approvals	
	Approvals	cURus, cULus
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		
<b>Order Number</b>	<b>LR3 48-5/70</b>	

Type		LR3 48-5/70
Mechanical data	Terminal and mounting	
	Terminals phase	Screw clamp, 35 mm <sup>2</sup> for M5
	Fixing method	Fixing rail
	Fixing screws	M6
Measures and weights		
Weight	15.1 kg	

