

Line reactor, three-phase **LR3 48-5/45**



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



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Type		LR3 48-5/45
Electrical data	Operating data	
	Rated voltage	3 x 480 Vac
	Short circuit voltage uK	5 %
	Voltage drop	13.9 Vac
	Rated current	45 A
	Rated frequency	50 - 60 Hz
	Inductance	0.817 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		
Order Number	LR3 48-5/45	

Type		LR3 48-5/45
Mechanical data	Terminal and mounting	
	Terminals phase	Screw clamp, 10 mm ² for M5
	Fixing method	Fixing rail
	Fixing screws	M6
	Measures and weights	
	Weight	10.7 kg

