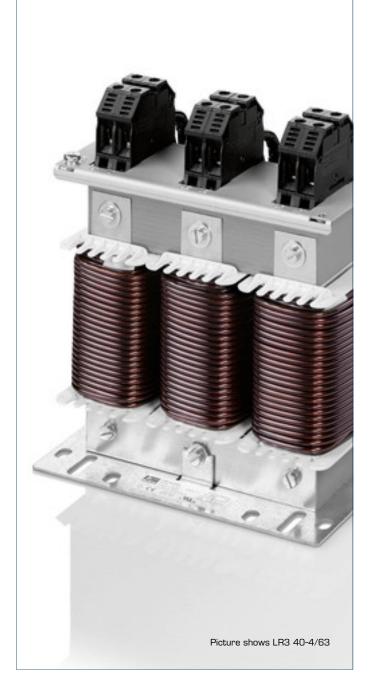
Line reactor, three-phase LR3 48-5/100



Standards

Line- and commutation reactor to DIN EN 61558-2-20, IEC 61558-2-20, UL 506, CSA 22.2

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).





UL 506, CSA 22.2





Line reactor, three-phase LR3 48-5/100

Operating data Rated voltage 3 x 480 Vac Short circuit voltage uK 5 % @ 480 Vac Yoltage drop 13.9 Vac Rated current 100 A Rated requency 50 - 60 Hz Inductance 0.368 mH Inductance deviation ± 10% Approvals culRus, cUlLus Environment -10 °C to +40 °C Type of cooling AN Safety and protection IEC+F, UL-class 155 Protection index IP 00 Safety class (prepared) I Test voltage 4000 Vac Order numbers Curder numbers Insulation class IEC+F, UL-class 155 Protection index IP 00 Safety class (prepared) I Test voltage 4000 Vac Order numbers IR3 48-5/100	Туре	LR3 48-5/100	Туре	LR3 48-5/100
If Haded voltage 3 X 480 Vac Find copper Short circuit voltage uK 5 % 0 480 Vac Find copper Short circuit voltage uK 5 % 0 480 Vac Find copper Not circuit voltage uK 100 A Find copper Rated current 100 A Find graid Rated frequency 50 - 60 Hz Find graid Inductance deviation 1109% Mass Approvals CURus, cULus Weight 24.3 kg Environment An Safety and protection 70 °C to +40 °C Type focooling AN Safety and protection File C=F, UL=class 155 Protection index IP O0 Safety class (prepared) I Test voltage 4000 Vac I Isso (I = 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	Coperating data		e Terminal and mounting	
Voltage drop 13.9 Vac Rated current 100 A Rated frequency 50 - 60 Hz Inductance 0.368 mH Inductance deviation ±10% Approvals CURus, cULus Environment -10 °C to +40 °C Type of cooling AN Safety and protection ICC to +40 °C Type of cooling AN Safety and protection IEC=F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage 4000 Vac Order numbers 4000 Vac		3 x 480 Vac	Terminals phase	Flat copper
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Rated frequency 50 - 60 Hz Inductance 0.368 mH Inductance deviation ±10% Approvals CURus, cULus Environment -10 °C to +40 °C Type of cooling AN Safety and protection -10 °C to +40 °C Type Open type Insulation class IEC-F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage 4000 Vac Order numbers 4000 Vac	Z Voltage drop	13.9 Vac	Fixing method	Fixing rail
Rated frequency 50 - 60 Hz Inductance 0.368 mH Inductance deviation ±10% Approvals CURus, cULus Environment -10 °C to +40 °C Type of cooling AN Safety and protection -10 °C to +40 °C Type Open type Insulation class IEC-F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage 4000 Vac Order numbers 4000 Vac	Rated current	100 A	Fixing screws	M8
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Safety class (prepared)ITest voltage4000 VacOrder numbers	Insulation class	IEC=F, UL=class 155		
Test voltage 4000 Vac Order numbers	Protection index	IP 00		* ·
Order numbers	Safety class (prepared)			
	Test voltage	4000 Vac		
Order Number LR3 48-5/100	Order numbers			
	Order Number	LR3 48-5/100		

