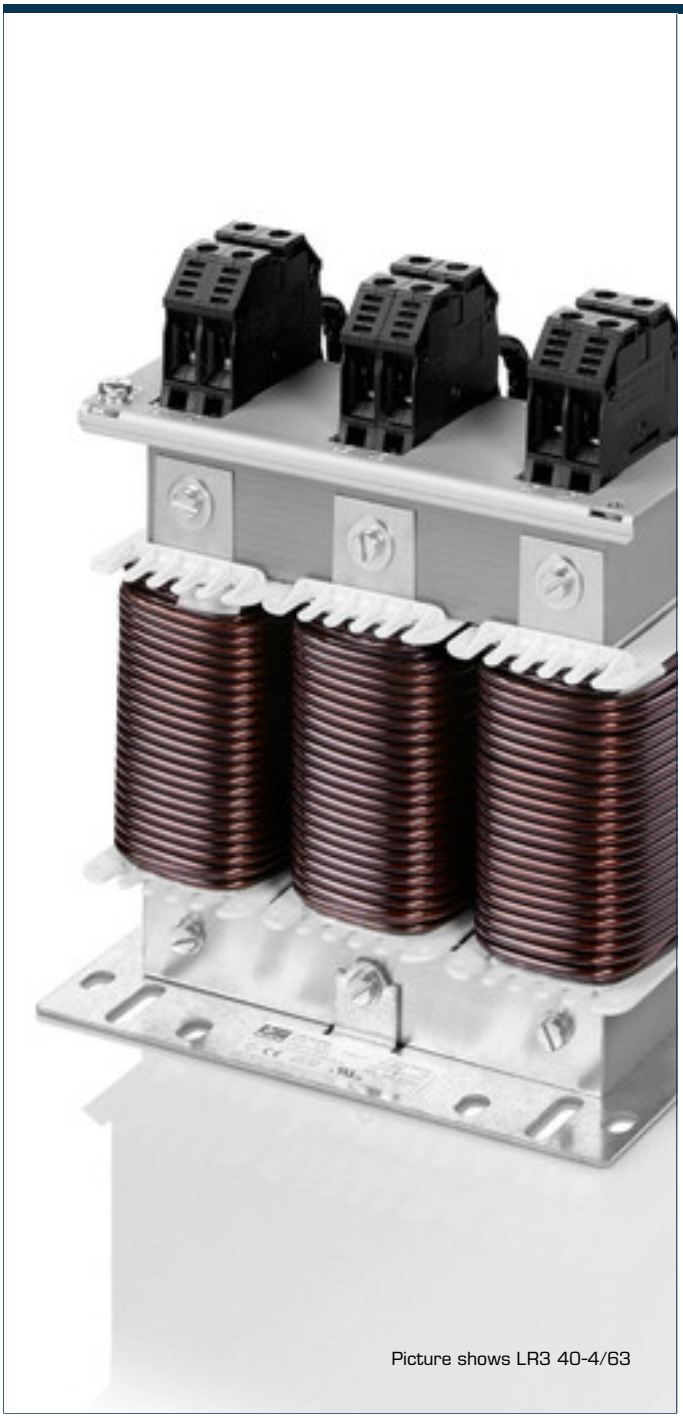
Line reactor, three-phase

LR3 48-5/1600



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 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 48-5/1600

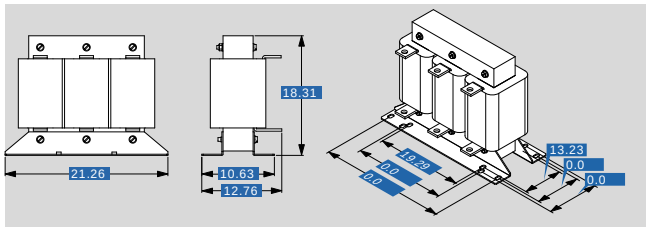
Electrical data

Type	LR3 48-5/1600
Operating data	
Rated voltage	max. 3 x 480 Vac
Short circuit voltage uK	5 % @ 480 Vac
Voltage drop	13,9 Vac
Rated current	1600 A
Rated frequency	50 - 60 Hz
Inductance	0.023 mH
Inductance deviation	±10%
Approvals	
Approvals	cURus, cULus
Environment	
Ambient temperature	14 °F to +104 °F
Type of cooling	AN
Safety and protection	
Type	Open type
Insulation class	IEC=H, UL=class 180
Protection index	IP 00
Safety class (prepared)	I
Test voltage	4000 Vac
Order numbers	
Order Number	**LR3 48-5/1600**

Mechanical data

Type	LR3 48-5/1600
Terminal and mounting	
Terminals phase	Flat copper
Connection type	for M10
Fixing method	Fixing rail
Fixing screws	M12
Measures and weights	
Weight	759.49 lbs

Dimensions in inch



Subject to change.