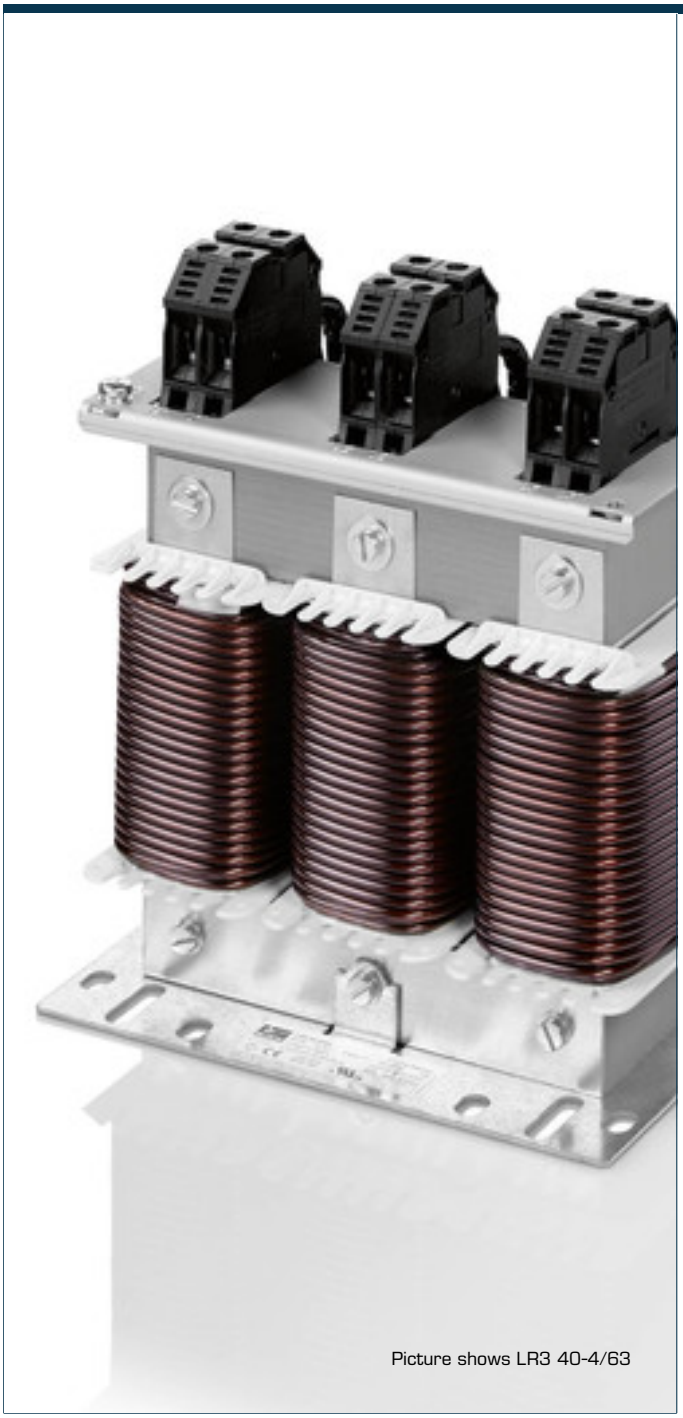
Line reactor, three-phase

LR3 48-3/80



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 48-3/80

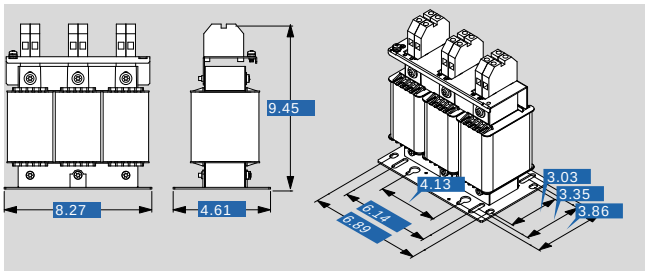
Electrical data

Type	LR3 48-3/80
Operating data	
Rated voltage	max. 3 x 480 Vac
Short circuit voltage uK	3 % @ 480 Vac
Voltage drop	8.3 Vac
Rated current	80 A
Rated frequency	50 - 60 Hz
Inductance	0.27 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=F, UL=class 155
Protection index	IP 00
Safety class (prepared)	I
Test voltage	4000 Vac
Order numbers	
Order Number	**LR3 48-3/80**

Mechanical data

Type	LR3 48-3/80
Terminal and mounting	
Terminals phase	Screw clamp, 35 mm²
Connection type	for M5
Fixing method	Fixing rail
Fixing screws	M6
Measures and weights	
Weight	23.15 lbs

Dimensions in inch



Subject to change.