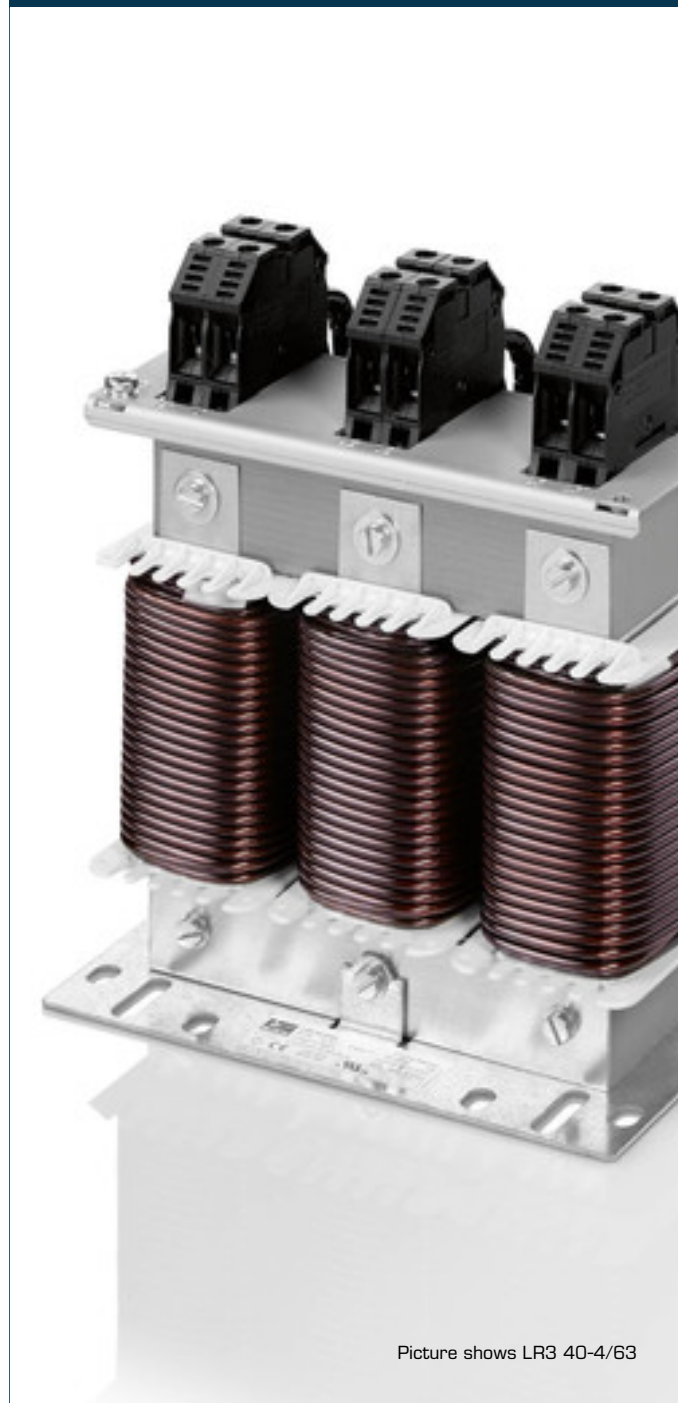


## Line reactor, three-phase **LR3 48-3/45**



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(φ).

### 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



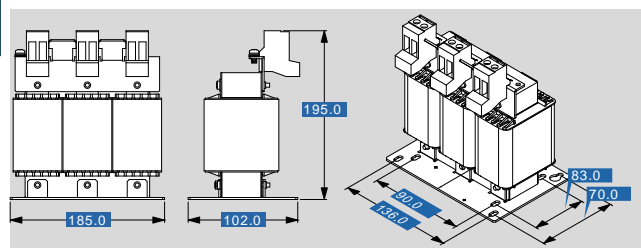
## Line reactor, three-phase LR3 48-3/45

### Electrical data

Type	LR3 48-3/45
Operating data	
Rated voltage	3 x 480 Vac
Short circuit voltage uK	3 % @ 480 Vac
Voltage drop	8.3 Vac
Rated current	45 A
Rated frequency	50 - 60 Hz
Inductance	0.490 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 48-3/45

### Mechanical data

Type	LR3 48-3/45
Terminal and mounting	
Terminals phase	Screw clamp, 10 mm <sup>2</sup>
Terminals PE	for M5
Fixing method	Fixing rail
Fixing screws	M6
Measures and weights	
Weight	6.7 kg



Subject to change.