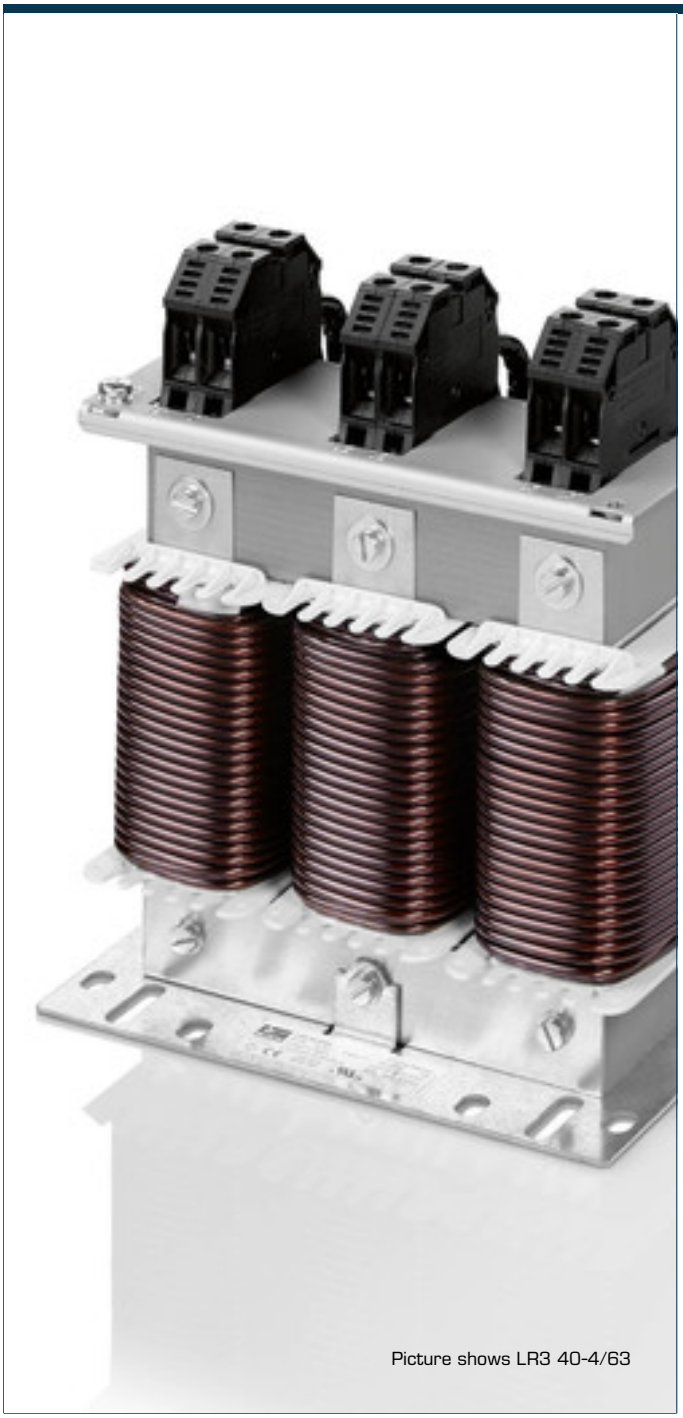
Line reactor, three-phase

LR3 48-5/20



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

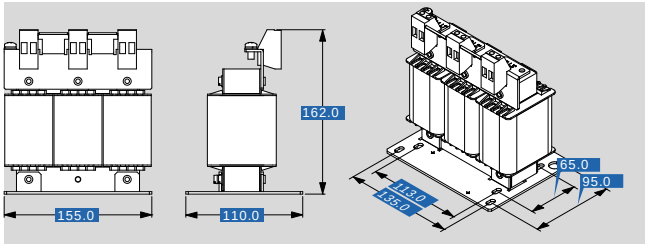
Line reactor, three-phase
LR3 48-5/20

Electrical data

Type	LR3 48-5/20
Operating data	
Rated voltage	3 x 480 Vac
Short circuit voltage uK	5 %
Voltage drop	13.9 Vac
Rated current	20 A
Rated frequency	50 - 60 Hz
Inductance	1.840 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 48-5/20**

Mechanical data

Type	LR3 48-5/20
Terminal and mounting	
Terminals phase	Screw clamp, 4 mm²
Terminals PE	for M4
Fixing method	Fixing rail
Fixing screws	M5
Measures and weights	
Weight	5.6 kg



Subject to change.