Line reactor, three-phase

LR3 40-5/300

Picture shows LR3 40-4/63

Advantages

- Use as line reactor, commutating reactor or PFC reactor
- Ensuring the short-circuit voltage of 3, 4 or 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 minimise 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

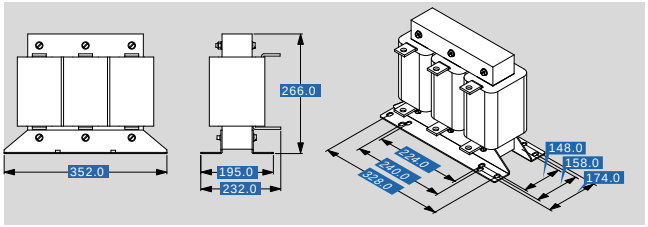
Line reactor, three-phase
LR3 40-5/300

Electrical data

Type	LR3 40-5/300
Operating data	
Rated voltage	3 x 400 Vac
Rated voltage (IEC)	3 x 690 Vac
Rated voltage (UL)	3 x 600 Vac
Short circuit voltage uK	5 % @ 400 Vac
Voltage drop	11.6 Vac
Rated current	3 x 300 A
Rated frequency	50 - 60 Hz
Inductance	0.123 mH
Inductance deviation	±10%
Output	
Power loss	1037.0 W
Approvals	
Approvals	cURus
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 40-5/300**

Mechanical data

Type	LR3 40-5/300
Terminal and mounting	
Terminals phase	Flat copper
Terminals PE	for M8
Fixing method	Fixing rail
Fixing screws	M8
Measures and weights	
Weight	62.00 kg



Subject to change.