Line reactor, three-phase, aluminium

LR3A 40-5/1000 Discontinued line - not for new designs

Image shows LR3A 40-4/115

Advantages

- Use as line reactor, commutating reactor or PFC reactor
- Weight reduction through aluminum winding
- 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

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

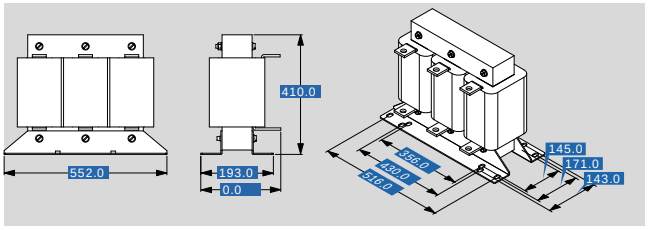
Line reactor, three-phase, aluminium
LR3A 40-5/1000 Discontinued line - not for new designs

Electrical data

Type	LR3A 40-5/1000 Discontinued line - not for new designs
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
Rated frequency range high	50 Hz
Voltage drop	11.6 Vac
Rated current	1000 A
Inductance	0.037 mH
Inductance deviation	±10 %
Output	
Power loss	4320.0 W
Approvals	
Approvals	cURus
Environment	
Ambient temperature	-10 °C to +40 °C
Type of cooling	AN
Safety and protection	
Type	Open type
Protection index	IP 00
Safety class (prepared)	I
Insulation class	IEC=H, UL=class 180
Test voltage	4000 Vac
Order numbers	
Order Number	**LR3A 40-5/1000 Discontinued line - not for new designs**

Mechanical data

Type	LR3A 40-5/1000 Discontinued line - not for new designs
Terminal and mounting	
Terminals phase	Flat copper
Terminals PE	for M10
Fixing method	Fixing rail
Fixing screws	M10
Measures and weights	
Weight	105.06 kg



Subject to change.