Line reactor, three-phase, aluminium
LR3A 40-4/160 Discontinued line - not for new designs

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).

Image shows LR3A 40-4/115

Standards

Line- and commutation reactor to
DIN EN 61558-2-20, IEC 61558-2-20, UL 506, CSA 22.2

Approvals
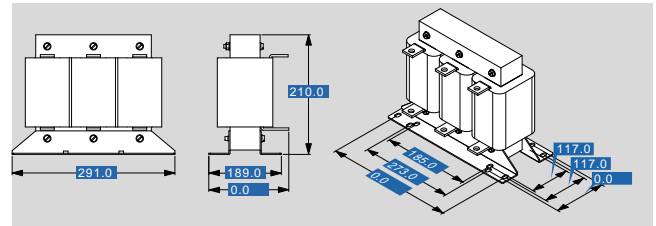
UL 506, CSA 22.2

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Line reactor, three-phase, aluminium
LR3A 40-4/160 Discontinued line - not for new designs

Type	LR3A 40-4/160 Discontinued line - not for new designs
Electrical data	
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	4 % @ 400 Vac
Rated frequency range high	50 Hz
Voltage drop	9.2 Vac
Rated current	160 A
Inductance	0.180 mH
Inductance deviation	±10 %
Output	
Power loss	576.0 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 40-4/160 Discontinued line - not for new designs**

Type	LR3A 40-4/160 Discontinued line - not for new designs
Mechanical data	
Terminal and mounting	
Terminals phase	Flat copper
Terminals PE	for M8
Fixing method	Fixing rail
Fixing screws	M8
Measures and weights	
Weight	22.10 kg

210.0
291.0
189.0
0.0
185.0
273.0
0.0
117.0
117.0
0.0

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