

Line reactor, three-phase, aluminium

## LR3A 40-3/500 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(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



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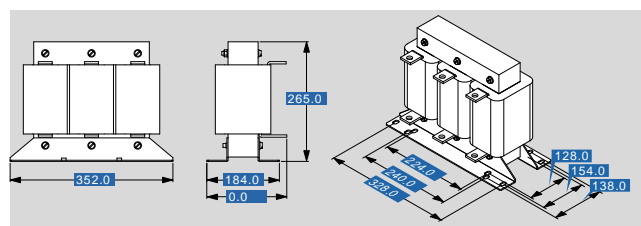
### Electrical data

Type	LR3A 40-3/500 Discontinued line - not for new designs
<b>Operating data</b>	
Rated voltage	3 x 400 Vac
Rated voltage (IEC)	3 x 690 Vac
Rated voltage (UL)	3 x 600 Vac
Short circuit voltage uK	3 % @ 400 Vac
Rated frequency range high	50 Hz
Voltage drop	6.9 Vac
Rated current	500 A
Inductance	0.044 mH
Inductance deviation	±10 %
<b>Output</b>	
Power loss	1463.0 W
<b>Approvals</b>	
Approvals	cURus
<b>Environment</b>	
Ambient temperature	-10 °C to +40 °C
Type of cooling	AN
<b>Safety and protection</b>	
Type	Open type
Protection index	IP 00
Safety class (prepared)	I
Insulation class	IEC=H, UL=class 180
Test voltage	4000 Vac
<b>Order numbers</b>	
Order Number	LR3A 40-3/500 Discontinued line - not for new designs



### Mechanical data

Type	LR3A 40-3/500 Discontinued line - not for new designs
<b>Terminal and mounting</b>	
Terminals phase	Flat copper
Terminals PE	for M8
Fixing method	Fixing rail
Fixing screws	M8
<b>Measures and weights</b>	
Weight	43.37 kg



Subject to change.