

VW3A4553

Altivar 31, Line/motor choke, 2 mH, 17 A, 3
phases, 75 W, for variable speed drive



Range compatibility	Altivar 61 Altivar&Nbsp;Process ATV900 Lexium 05 Altivar 312 Solar Altivar&Nbsp;Process ATV600 Altivar 32 Altivar 71 Lexium 62 Easy Altivar 310 Altivar 12 Altivar 31C Lexium 52 Altivar 312 Lexium 32 Altivar Machine ATV320 Altivar Machine ATV340 Easy Altivar 310L
Device application	Reduction of current harmonics Reduction of overvoltages at motor terminals
Value of inductance	2 mH
[In] rated current	17 A
Thermal losses	75 W
Electrical connection	Terminal 6 mm ² / AWG 8, 0.8...1 N.m

Complementary

Power supply frequency	50...60 Hz
Max current	1.65 x nominal current (duration = 60 s)
Maximum voltage drop at rated load	5 %
Electrical insulation class	Class F
Minimum clearance distance	5.5 mm IEC 60664
Leakage distance	11.5 mm conforming to IEC 60664
Net weight	3.5 kg
Width	130 mm
Height	155 mm
Depth	90 mm

Environment

Standards	VDE 0160 level 1 EN 50178 IEC 60076 (with HD398)
IP degree of protection	Choke: IP00 Terminals: IP20
Environmental characteristic	3B1 conforming to IEC 721-3-3 3C2 conforming to IEC 721-3-3 3S1 conforming to IEC 721-3-3
Pollution degree	2 conforming to EN 50178
Vibration resistance	1 gn (f= 13...200 Hz) conforming to IEC 60068-2-6 1.5 mm peak to peak (f= 3...13 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Relative humidity	0...95 %
Ambient air temperature for operation	45...55 °C (with current derating of 2 % per °C) 0...45 °C (without current derating)
Ambient air temperature for storage	-25...70 °C
Operating altitude	<= 1000 m without current derating 1000...3000 m with current derating 1 % per 100 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.000 cm
Package 1 Width	24.000 cm
Package 1 Length	25.000 cm

Package 1 Weight	3.935 kg
Unit Type of Package 2	P06
Number of Units in Package 2	18
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	83.830 kg

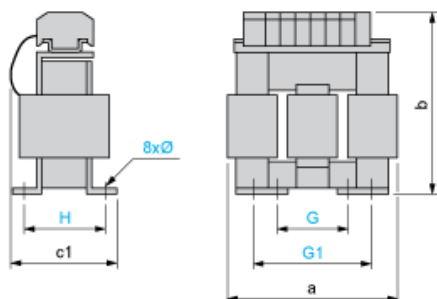
Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months
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Dimensions



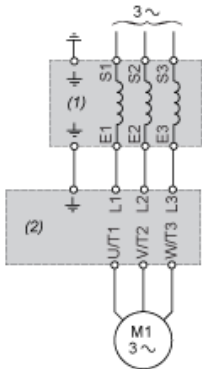
Dimensions in mm

a	b	c1	G	G1	H	Ø
130	155	90	60	80.5	62	6 x 12

Dimensions in in.

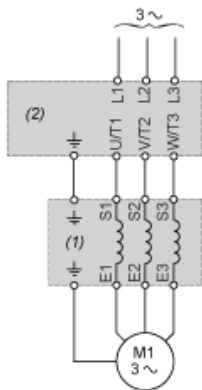
a	b	c1	G	G1	H	Ø
5.12	6.10	3.54	2.36	3.17	2.44	0.24 x 0.47

Recommended Schema - Line Choke



- (1) Line Choke
- (2) Drive

Recommended Schema - Motor Choke



- (1) Motor Choke
- (2) Drive