

VW3A4554

line/motor choke - 1 mH - 30 A - 3 phases - 90 W - for variable speed drive



Main

Product or component type	Line/Motor choke
Product compatibility	<p>ATV312HD11S6 for motor choke ATV312HU75N4 for motor choke ATV312HU75M3 for motor choke ATV312HU55M3 for motor choke ATV312HU40M3 for motor choke ATV312HD15S6 for motor choke ATV312HD11N4 for motor choke LXM32.D72N4 for line choke LXM32.D30N4 for line choke ATV312HU75M3 for line choke ATV312HU55M3 for line choke ATV312HU40M3 for line choke ATV312HD15S6 for line choke ATV312HD15N4 for line choke ATV312HD11N4 for line choke ATV71HU55M3 for line choke ATV71HU40M3 for line choke ATV71HD22Y for line choke ATV71HD18Y for line choke ATV71HD15N4 for line choke ATV71HD11N4 for line choke ATV61WD15N4C for line choke ATV61WD15N4 for line choke ATV61WD11N4C for line choke ATV61WD11N4 for line choke ATV61HU55M3 for line choke ATV61HU40M3 for line choke ATV61HD30Y for line choke ATV61HD22Y for line choke ATV61HD15N4 for line choke ATV61HD11N4 for line choke ATV31CU75N4 for motor choke ATV31CD15N4 for line choke ATV31CD11N4 for motor choke ATV31CD11N4 for line choke</p>
Number of phases	3 phases
Range compatibility	<p>Altivar 12 Altivar 312 Altivar 61 Altivar 71 Altivar 32 Lexium 32 Altivar 31C Altivar 312 Solar</p>
Product specific application	<p>Reduction of overvoltages at motor terminals Reduction of current harmonics</p>
Value of inductance	1 mH
[In] rated current	30 A

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Product compatibility	ATV12HU40M3 ATV12PU40M3 ATV312HD11N4 ATV312HD11S6 ATV312HD15N4 ATV312HD15S6 ATV312HU40M3 ATV312HU55M3 ATV312HU75M3 ATV312HU75N4 ATV31CD11N4 ATV31CD15N4 ATV61HD11N4 ATV61HD15N4 ATV61HD22Y ATV61HD30Y ATV61HU40M3 ATV61HU55M3 ATV61WD11N4 ATV61WD11N4C ATV61WD15N4 ATV61WD15N4C ATV71HD11N4 ATV71HD15N4 ATV71HD18Y ATV71HD22Y ATV71HU40M3 ATV71HU55M3 ATV71PD11N4Z ATV71WD11N4 ATV71WD15N4 ATV32HD11N4 ATV32HD15N4 ATV32HU75N4 LXM32.D18N4 LXM32.D30N4 LXM32.D72N4
Thermal losses	90 W
Electrical connection	Terminal 16 mm ² / AWG 4, 1.2...1.4 N.m

Complementary

Power supply frequency	50...60 Hz
Max current	1.65 x nominal current for 60 s
Voltage drop at rated load	3...5 %
Electrical insulation class	Class F
Clearance distance	5.5 mm conforming to IEC 60664
Leakage distance	11.5 mm conforming to IEC 60664
Product weight	6 kg
Width	155 mm
Height	170 mm
Depth	135 mm

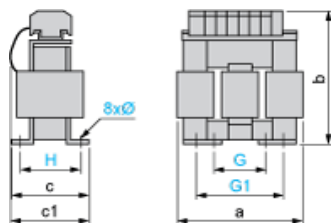
Environment

Standards	EN 50178 IEC 60076 (with HD398) VDE 0160 level 1
IP degree of protection	IP10 (terminals) IP00 (choke)
Environmental characteristic	3S1 conforming to IEC 721-3-3 3C2 conforming to IEC 721-3-3 3B1 conforming to IEC 721-3-3
Pollution degree	2 conforming to EN 50178
Vibration resistance	1.5 mm peak to peak (f = 3...13 Hz) conforming to IEC 60068-2-6 1 gn (f = 13...200 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Relative humidity	<= 95 %
Ambient air temperature for operation	0...45 °C without current derating > 45...< 55 °C with current derating of 2 % per °C

Ambient air temperature for storage	-25...70 °C
Operating altitude	1000...3000 m with current derating 1 % per 100 m <= 1000 m without current derating

Three-Phase Line Choke

Dimensions



Dimensions in mm

a	b	c	c1	G	G1	H	Ø (oblong hole)
155	170	115	135	75	107	90	6 x 12

Dimensions in in.

a	b	c	c1	G	G1	H	Ø (oblong hole)
6.10	6.69	4.53	5.31	2.95	4.21	3.54	0.24 x 0.47