

VW3A4551

line/motor choke - 10 mH - 4 A - 3 phases - 45
W - for variable speed drive



Main

Range of product	Altivar
Product or component type	Line/motor choke
Product compatibility	ATV12H018F1 - motor choke - 1 per drive ATV12H018M2 - motor choke - 1 per drive ATV12H018M3 - motor choke - 1 per drive ATV12H037F1 - motor choke - 1 per drive ATV12H037M2 - motor choke - 1 per drive ATV12H037M3 - motor choke - 1 per drive ATV12H055M2 - motor choke - 1 per drive ATV12P037F1 - motor choke - 1 per drive ATV12P037M2 - motor choke - 1 per drive ATV12P037M3 - motor choke - 1 per drive ATV12P055M2 - motor choke - 1 per drive ATV312H018M3 - line choke - 1 per drive ATV312H037M3 - line choke - 1 per drive ATV312H037N4 - line choke - 1 per drive ATV312H055M3 - line choke - 1 per drive ATV312H055N4 - line choke - 1 per drive ATV312H075M3 - line choke - 1 per drive ATV312H075N4 - line choke - 1 per drive ATV312H075S6 - line choke - 1 per drive ATV312HU11N4 - line choke - 1 per drive ATV312HU15N4 - line choke - 1 per drive ATV312HU15S6 - line choke - 1 per drive ATV32H037N4 - line choke - 1 per drive ATV32H055N4 - line choke - 1 per drive ATV32H075N4 - line choke - 1 per drive ATV32HU11N4 - line choke - 1 per drive ATV32HU15N4 - line choke - 1 per drive ATV61H075M3 - line choke - 1 per drive ATV61H075N4 - line choke - 1 per drive ATV61HU15N4 - line choke - 1 per drive ATV61HU30Y - line choke - 1 per drive ATV61W075N4 - line choke - 1 per drive ATV61W075N4C - line choke - 1 per drive ATV61WU15N4 - line choke - 1 per drive ATV61WU15N4C - line choke - 1 per drive ATV71H037M3 - line choke - 1 per drive ATV71H075M3 - line choke - 1 per drive ATV71H075N4 - line choke - 1 per drive ATV71HU15N4 - line choke - 1 per drive ATV71HU22Y - line choke - 1 per drive ATV71HU30Y - line choke - 1 per drive ATV71P075N4Z - line choke - 1 per drive ATV71PU15N4Z - line choke - 1 per drive ATV71W075N4 - line choke - 1 per drive ATV71WU15N4 - line choke - 1 per drive ATV61HU22S6X - line choke - 1 per drive ATV71HU15S6X - line choke - 1 per drive ATV71HU22S6X - line choke - 1 per drive ATV31C037N4 - line choke - 1 per drive ATV31C055N4 - line choke - 1 per drive ATV31C075N4 - line choke - 1 per drive ATV31CU11N4 - line choke - 1 per drive ATV31CU15N4 - line choke - 1 per drive Variable speed drive ATV310 motor: 0.37 kW - line choke - 1 per drive Variable speed drive ATV310 motor: 0.75 kW - line choke - 1 per drive Variable speed drive ATV340 motor: 0.75 kW 380...480 V - line choke - 1 per drive Variable speed drive ATV340 motor: 1.5 kW 380...480 V - line choke - 1 per drive Variable speed drive ATV320 motor: 0.37 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 motor: 0.55 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 motor: 0.75 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 motor: 1.1 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 motor: 1.5 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 motor: 0.18 kW 200...240 V - three phase - line choke - 1 per drive Variable speed drive ATV320 motor: 0.37 kW 200...240 V - three phase - line choke - 1 per drive Variable speed drive ATV320 motor: 0.55 kW 200...240 V - three phase - line choke - 1 per drive Variable speed drive ATV320 motor: 0.75 kW 200...240 V - three phase - line choke - 1 per drive

Range compatibility	Altivar 61 Altivar 312 Altivar Process ATV900 Altivar 32 Altivar 312 Solar Altivar Process ATV600 Altivar 31C Lexium 62 Easy Altivar 310 Altivar Machine ATV340 Altivar Machine ATV320 Altivar 71 Altivar 12 Easy Altivar 310L
Device application	Reduction of current harmonics
Value of inductance	10 mH
[In] rated current	4 A
Thermal losses	45 W
Electrical connection	Terminal 2.5 mm ² / AWG 12, 0.4...0.6 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	1.5 kg
Width	100 mm
Height	135 mm
Depth	60 mm

Environment

Standards	VDE 0160 level 1 IEC 60076 (with HD398) EN 50178
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 Weight	2.092 kg
Package 1 Height	19.2 cm
Package 1 width	21.2 cm
Package 1 Length	19.4 cm
Unit Type of Package 2	CAR
Number of Units in Package 2	1

Package 2 Weight	1.816 kg
Package 2 Height	25 cm
Package 2 width	21 cm
Package 2 Length	17 cm
Unit Type of Package 3	S06
Number of Units in Package 3	20
Package 3 Weight	49.32 kg
Package 3 Height	73.5 cm
Package 3 width	60 cm
Package 3 Length	80 cm

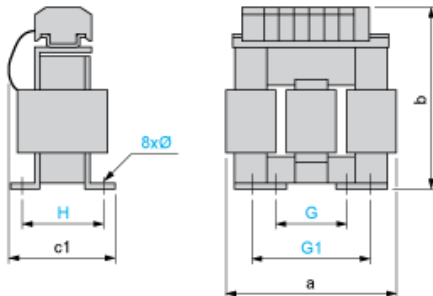
Offer Sustainability

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
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration

Contractual warranty

Warranty	18 months
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Dimensions



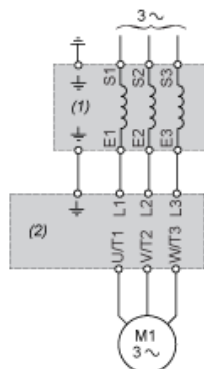
Dimensions in mm

a	b	c1	G	G1	H	Ø
100	135	60	40	60	42	6 x 9

Dimensions in in.

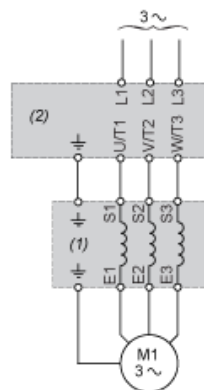
a	b	c1	G	G1	H	Ø
3.94	5.31	2.36	1.57	2.36	1.65	0.24 x 0.35

Recommended Schema - Line Choke



- (1) Line Choke
- (2) Drive

Recommended Schema - Motor Choke



- (1) Motor Choke
- (2) Drive