

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 : 0.75 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 : 2.2 kW -

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525...600 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
Variable speed drive ATV320 motor : 0.75 kW -
525...600 V - three phase - line choke - 1 per drive
Variable speed drive ATV320 motor : 1.5 kW -
525...600 V - three phase - 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 : 1.1 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

Network number of phases	Three phase
Range compatibility	Altivar 12 Altivar 312 Altivar 61 Altivar 71 Altivar 32 Altivar 31C Altivar 312 Solar Altivar Easy 310 Lexium 62 Altivar Machine ATV320 Altivar Machine ATV340
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

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	1.5 kg
Width	100 mm
Height	135 mm
Depth	60 mm

Environment

standards	EN 50178 IEC 60076 (with HD398) VDE 0160 level 1
IP degree of protection	IP00 (choke) IP20 (terminals)
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	1.5 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	> 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

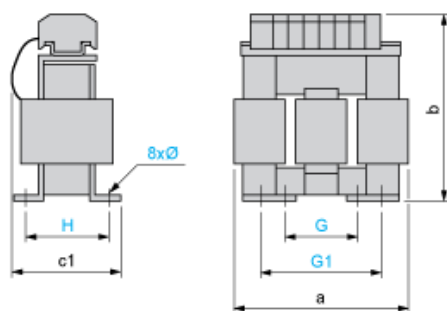
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0801 - Schneider Electric declaration of conformity

Contractual warranty

Warranty period	18 months
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Dimensions



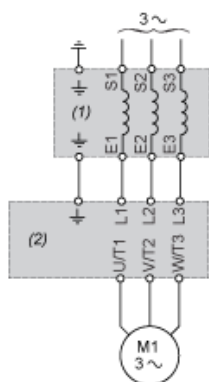
Dimensions in mm

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

Dimensions in in.

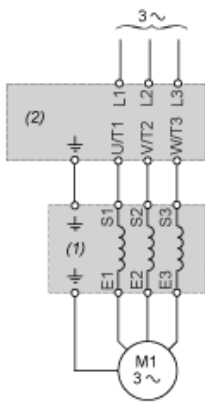
a	b	c1	G	G1	H	Ø
3.94	5.31	2.36	1.57	2.36	1.65	0.24 x 0.35

Recommended Schema - Line Choke



- (1) Line Choke
- (2) Drive

Recommended Schema - Motor Choke



- (1) Motor Choke
- (2) Drive