Product data sheet

Specifications



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

VW3A4551

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Altivar
Product or Component Type	Line/motor choke

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 0.37 kW - line choke - 1 per drive Variable speed drive ATV310 0.75 kW - line choke - 1 per drive Variable speed drive ATV340 0.75 kW 380...480 V - line choke - 1 per drive Variable speed drive ATV340 1.5 kW 380...480 V - line choke - 1 per drive Variable speed drive ATV320 0.37 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 0.55 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 0.75 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 1.1 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 1.5 kW 380...500 V - three phase - line choke - 1 per drive Variable speed drive ATV320 0.18 kW 200...240 V - three phase - line choke - 1 per drive Variable speed drive ATV320 0.37 kW 200...240 V - three phase - line choke - 1 per drive Variable speed drive ATV320 0.55 kW 200...240 V - three phase - line choke - 1 per drive Variable speed drive ATV320 0.75 kW 200...240 V - three phase - line choke - 1 per drive Variable speed drive ATV320 0.75 kW 525...600 V - three phase - line choke - 1 per drive Variable speed drive ATV320 1.5 kW 525...600 V - three phase - line choke - 1 per drive Variable speed drive ATV320 2.2 kW 525...600 V - three phase - line choke - 1 per

drive
Variable speed drive ATV630 2.2 kW 500...690 V - three phase - line choke - 1 per drive
Variable speed drive ATV630 3 kW 500...690 V - three phase - line choke - 1 per drive
Variable speed drive ATV630 4 kW 500...690 V - three phase - line choke - 1 per drive
Variable speed drive ATV930 2.2 kW 500...690 V - three phase - line choke - 1 per drive
Variable speed drive ATV930 3 kW 500...690 V - three phase - line choke - 1 per drive
Variable speed drive ATV930 4 kW 500...690 V - three phase - line choke - 1 per drive
Variable speed drive ATV630 600 V - three phase - line choke - 3 hp - 1 per drive
Variable speed drive ATV930 600 V - three phase - line choke - 3 hp - 1 per drive
Variable speed drive ATV310L 0.75 kW
Variable speed drive ATV310L 1.5 kW
Variable speed drive ATV310L 2.2 kW
Variable speed drive ATV310L 3.0 kW
Variable speed drive ATV310L 4.0 kW
Variable speed drive ATV310L 5.5 kW

number of phases	Three phase
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
Line Rated Current	4 A
Thermal losses	45 W
Electrical connection	Terminal 2.5 mm² / AWG 12, 3.5…5.3 lbf.in (0.4…0.6 N.m)

Complementary

power supply frequency	50...60 Hz
Max current	1.65 x nominal current 60 s)
Maximum voltage drop at rated load	5 %
Electrical Insulation Class	Class F
Minimum clearance distance	0.2 in (5.5 mm) IEC 60664
Leakage distance	0.5 in (11.5 mm) IEC 60664
Product Weight	3.3 lb(US) (1.5 kg)
Width	3.9 in (100 mm)
Height	5.3 in (135 mm)
Depth	2.4 in (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 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 11 ms IEC 60068-2-27
Relative humidity	0…95 %
Ambient air temperature for operation	113…131 °F (45…55 °C) (with current derating of 2 % per °C) 32…113 °F (0…45 °C) (without current derating)
Ambient Air Temperature for Storage	-13…158 °F (-25…70 °C)

Operating altitude	<= 3280.84 ft (1000 m) without current derating 3280.84...9842.52 ft (1000...3000 m) with current derating 1 % per 100 m

Ordering and shipping details

Category	US1PC5118305
Discount Schedule	PC51
GTIN	3389118066014
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.906 in (15.000 cm)
Package 1 Width	7.874 in (20.000 cm)
Package 1 Length	8.268 in (21.000 cm)
Package weight(Lbs)	3.366 lb(US) (1.527 kg)
Unit Type of Package 2	S06
Number of Units in Package 2	24
Package 2 Height	29.528 in (75.000 cm)
Package 2 Width	23.622 in (60.000 cm)
Package 2 Length	31.496 in (80.000 cm)
Package 2 Weight	103.617 lb(US) (47.000 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	4934d727-4a01-454e-b001-ddcc449d383b
EU RoHS Directive	Compliant
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer

Lifetime extension

Repair	No

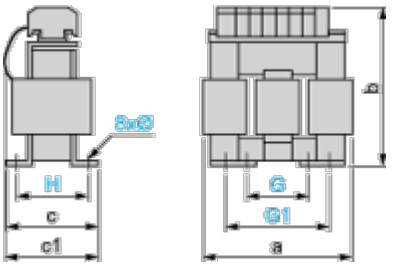
Use Again

Repack and remanufacture

Take-back	No

Dimensions Drawings

Dimensions



Dimensions in mm

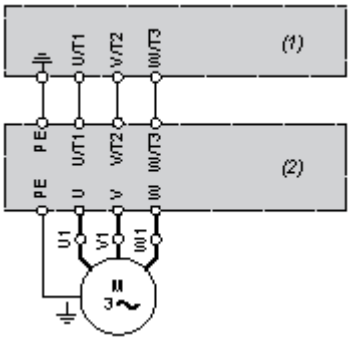
a	b	c	c1	G	G1	H	Ø
100	135	55	60	40	60	42	6 x 9

Dimensions in in.

a	b	c	c1	G	G1	H	Ø
3.94	5.31	2.16	2.36	1.57	2.36	1.65	0.24 x 0.35

Connections and Schema

Recommended Scheme



(1) Drive

(2) Filter