

# Product data sheet

Specifications



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

VW3A4551

**Product availability: Non-Stock - Not normally stocked in  
distribution facility**

## Main

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

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

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**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

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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

<b>number of phases</b>	Three phase
<b>Range Compatibility</b>	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
<b>Device Application</b>	Reduction of current harmonics
<b>Value of inductance</b>	10 mH
<b>Line Rated Current</b>	4 A
<b>Thermal losses</b>	45 W
<b>Electrical connection</b>	Terminal 2.5 mm <sup>2</sup> / AWG 12, 3.5...5.3 lbf.in (0.4...0.6 N.m)

## Complementary

<b>power supply frequency</b>	50...60 Hz
<b>Max current</b>	1.65 x nominal current 60 s)
<b>Maximum voltage drop at rated load</b>	5 %
<b>Electrical Insulation Class</b>	Class F
<b>Minimum clearance distance</b>	0.2 in (5.5 mm) IEC 60664
<b>Leakage distance</b>	0.5 in (11.5 mm) IEC 60664
<b>Net Weight</b>	3.3 lb(US) (1.5 kg)
<b>Width</b>	3.9 in (100 mm)
<b>Height</b>	5.3 in (135 mm)
<b>Depth</b>	2.4 in (60 mm)

## Environment

<b>Standards</b>	VDE 0160 level 1 IEC 60076 (with HD398) EN 50178
<b>IP Degree of Protection</b>	Choke IP00 Terminals IP20
<b>Environmental characteristic</b>	3B1 conforming to IEC 721-3-3 3C2 conforming to IEC 721-3-3 3S1 conforming to IEC 721-3-3
<b>Pollution degree</b>	2 EN 50178
<b>Vibration resistance</b>	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
<b>Shock resistance</b>	15 gn 11 ms IEC 60068-2-27
<b>Relative humidity</b>	0...95 %
<b>Ambient air temperature for operation</b>	113...131 °F (45...55 °C) (with current derating of 2 % per °C) 32...113 °F (0...45 °C) (without current derating)
<b>Ambient Air Temperature for Storage</b>	-13...158 °F (-25...70 °C)

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<b>Operating altitude</b>	<= 3280.84 ft (1000 m) without current derating 3280.84...9842.52 ft (1000...3000 m) with current derating 1 % per 100 m
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## Ordering and shipping details

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<b>Category</b>	US1PC5118305
<b>Discount Schedule</b>	PC51
<b>GTIN</b>	3389118066014
<b>Returnability</b>	Yes
<b>Country of origin</b>	CZ

## Packing Units

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<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	5.91 in (15.000 cm)
<b>Package 1 Width</b>	7.87 in (20.000 cm)
<b>Package 1 Length</b>	8.27 in (21.000 cm)
<b>Package weight(Lbs)</b>	3.366 lb(US) (1.527 kg)
<b>Unit Type of Package 2</b>	S06
<b>Number of Units in Package 2</b>	24
<b>Package 2 Height</b>	29.53 in (75.000 cm)
<b>Package 2 Width</b>	23.62 in (60.000 cm)
<b>Package 2 Length</b>	31.50 in (80.000 cm)
<b>Package 2 Weight</b>	103.617 lb(US) (47.000 kg)

## Contractual warranty

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<b>Warranty</b>	18 months
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## 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

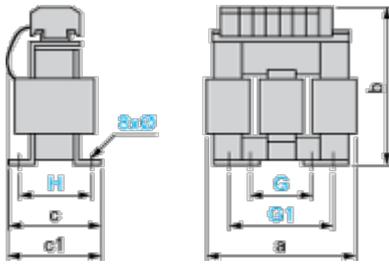
 <b>Materials and Substances</b>	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	4934d727-4a01-454e-b001-ddcc449d383b
REACH Regulation	<a href="#">REACH Declaration</a>
California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

### Use Again

 <b>Repack and remanufacture</b>	
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

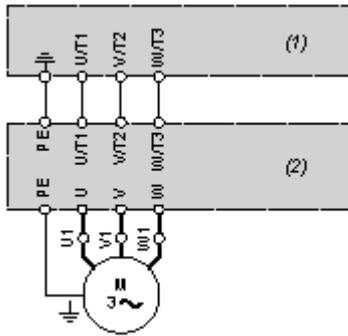
Dimensions in in.

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

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(1) Drive

(2) Filter