

VW3A4551

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

Main

Commercial Status	Commercialised
Product or component type	Line/Motor choke
Product compatibility	<p>ATV31CU15N4 for line choke ATV31CU11N4 for line choke ATV31C075N4 for line choke ATV31C055N4 for line choke ATV31C037N4 for line choke ATV71HU22S6X for line choke ATV71HU15S6X for line choke ATV61HU22S6X for line choke ATV71WU15N4 for line choke ATV71W075N4 for line choke ATV71PU15N4Z for line choke ATV71P075N4Z for line choke ATV71HU40Y for line choke ATV71HU30Y for line choke ATV71HU22Y for line choke ATV71HU15N4 for line choke ATV71H075N4 for line choke ATV71H075M3 for line choke ATV71H037M3 for line choke ATV61WU15N4C for line choke ATV61WU15N4 for line choke ATV61W075N4C for line choke ATV61W075N4 for line choke ATV61HU55Y for line choke ATV61HU40Y for line choke ATV61HU30Y for line choke ATV61HU15N4 for line choke ATV61H075N4 for line choke ATV61H075M3 for line choke ATV32HU15N4 for line choke ATV32HU11N4 for line choke ATV32H075N4 for line choke ATV32H055N4 for line choke ATV32H037N4 for line choke ATV312HU15S6 for line choke ATV312HU15N4 for line choke ATV312HU11N4 for line choke ATV312H075S6 for line choke ATV312H075N4 for line choke ATV312H075M3 for line choke ATV312H055N4 for line choke ATV312H055M3 for line choke ATV312H037N4 for line choke ATV312H037M3 for line choke ATV312H018M3 for line choke ATV12P055M2 for motor choke ATV12P037M3 for motor choke ATV12P037M2 for motor choke ATV12P037F1 for motor choke ATV12H055M2 for motor choke ATV12H037M3 for motor choke ATV12H037M2 for motor choke ATV12H037F1 for motor choke ATV12H018M3 for motor choke ATV12H018M2 for motor choke ATV12H018F1 for motor choke</p>
Number of phases	Three phase

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Range compatibility	Altivar 12 Altivar 312 Altivar 61 Altivar 71 Altivar 32 Altivar 31C Altivar 312 Solar
Product specific application	Reduction of current harmonics
Value of inductance	10 mH
[In] rated current	4 A
Product compatibility	ATV12H018F1 ATV12H018M2 ATV12H018M3 ATV12H037F1 ATV12H037M2 ATV12H037M3 ATV12H055M2 ATV12P037F1 ATV12P037M2 ATV12P037M3 ATV12P055M2 ATV312H018M3 ATV312H037M3 ATV312H037N4 ATV312H055M3 ATV312H055N4 ATV312H075M3 ATV312H075N4 ATV312H075S6 ATV312HU11N4 ATV312HU15N4 ATV312HU15S6 ATV31C037N4 ATV31C055N4 ATV31C075N4 ATV31CU11N4 ATV31CU15N4 ATV61H075M3 ATV61H075N4 ATV61HU15N4 ATV61HU30Y ATV61HU40Y ATV61HU55Y ATV61W075N4 ATV61W075N4C ATV61WU15N4 ATV61WU15N4C ATV71H037M3 ATV71H075M3 ATV71H075N4 ATV71HU15N4 ATV71HU22Y ATV71HU30Y ATV71HU40Y ATV71P075N4Z ATV71PU15N4Z ATV71W075N4 ATV71WU15N4 ATV32H037N4 ATV32H055N4 ATV32H075N4 ATV32HU11N4 ATV32HU15N4 ATV61HU22S6X ATV71HU15S6X ATV71HU22S6X
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 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	IP20 (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

RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	0801

Contractual warranty

Period	18 months
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