

Main

Commercial Status	Commercialised
Product or component type	Line choke
Number of phases	Single phase
Range compatibility	Altivar 61 Altivar 71
Product specific application	Reduction of current harmonics
Value of inductance	1 mH
[In] rated current	45 A
Product compatibility	ATV61HU55M3 ATV61HU75M3 ATV71HU55M3 ATV71HU75M3
Thermal losses	50 W
Electrical connection	Terminal 6 mm ² / AWG 8, 0.8...1 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	3.5 kg
Width	133 mm
Height	150 mm
Depth	105 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

Contractual warranty

Period	18 months
--------	-----------