

Product data sheet

Characteristics

VW3A31407

Altivar 31, Additional EMC input filter, 3-phase supply, 47 A



Main

Range of product	Altivar
Product or component type	EMC input filter
Range compatibility	Lexium 05 Lexium 23 Plus Altivar Machine ATV320 Altivar 212 Altivar 312 Altivar 31C Altivar 312 Solar
Product compatibility	Servo drive LXM23 motor: 7.5 kW ATV212HD11N4 ATV212HU55M3X ATV212HU75M3X ATV212HU75N4 ATV31CU55N4 ATV31CU75N4 LXM05AD57N4 LXM05BD57N4 LXM05CD57N4 ATV312HU55M3 ATV312HU75M3 ATV312HU55N4 ATV312HU75N4 Variable speed drive ATV320...C motor: 5.5 kW, 200...240 V three phase Variable speed drive ATV320...C motor: 7.5 kW, 200...240 V three phase
Product specific application	Radio interference input filter
[In] rated current	47 A
Thermal losses	1.9 W for ATV21HU75N4 19.3 W for ATV31CU55N4 3.7 W for ATV21HU55M3X 3.9 W for ATV21HD11N4 6.8 W for ATV21HU75M3X
Network number of phases	Three phase

Complementary

Electrical connection	Terminal 25 mm ² AWG 2
Tightening torque	4.5 N.m
Maximum earth leakage current	45 MA 50 Hz 20.6 MA at 480 V 60 Hz 42.8 mA at 480 V 60 Hz
Power supply voltage	200...240 V 380...500 V
Tolerance	10 %
Net weight	3.15 kg

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Environment

IP degree of protection	IP20 IP41 (upper part)
Relative humidity	0...93 % conforming to IEC 68-2-3
Ambient air temperature for operation	-10...50 °C
Ambient air temperature for storage	-25...70 °C
Operating altitude	<= 1000 m without current derating <= 1000 m without derating 1000...3000 m with current derating 1 % per 100 m
Vibration resistance	1 gn (f= 13...150 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 for 11 ms conforming to EN/IEC 60068-2-27
Standards	EN 133200 EN/IEC 61800-3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.0 cm
Package 1 Width	23.5 cm
Package 1 Length	47.0 cm
Package 1 Weight	3.001 kg
Unit Type of Package 2	S06
Number of Units in Package 2	22
Package 2 Height	75.0 cm
Package 2 Width	80.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	76.022 kg

Offer Sustainability

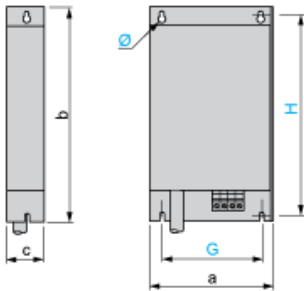
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months
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Additional EMC Input Filters

Dimensions



Dimensions in mm

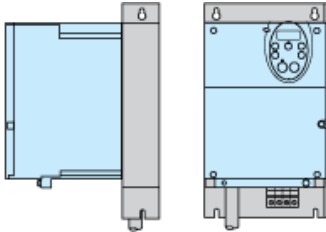
a	b	c	G	H	Ø
180	305	60	140	285	5.5

Dimensions in in.

a	b	c	G	H	Ø
7.09	12.01	2.36	5.51	11.22	0.22

Additional EMC Input Filter

Mounting the Filter under the Drive



Mounting the Filter next to the Drive

