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Product data sheet
Characteristics

VW3A31405
additionnal EMC filter S7 M2 - 1-phase supply - 22 A



Main

Range of product	Altivar
Product or component type	EMC input filter
Range compatibility	Altivar 312 Lexium 05 Altivar 312 Solar Altivar 31C Altivar Machine ATV320
Product compatibility	ATV312HU22M2 ATV31CU22M2 LXM05AD28F1 LXM05AD28M2 LXM05BD28F1 LXM05BD28M2 LXM05CD28M2 Variable speed drive ATV320...C motor: 2.2 kW, 200...240 V single phase Variable speed drive ATV320...W/ATV320...WS motor: 2.2 kW, 200...240 V single phase
Product specific application	Radio interference input filter
[In] rated current	22 A
Thermal losses	7.5 W for ATV31CU22M2
Network number of phases	Single phase

Complementary

Maximum earth leakage current	80 mA 50 Hz
Power supply voltage	200…240 V
Tolerance	10 %
Net weight	1.13 kg

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...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

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

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.
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China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes

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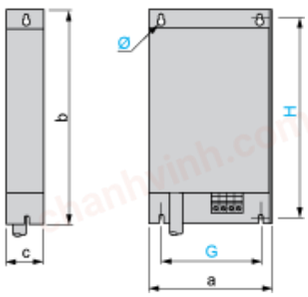
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Product data sheet
Dimensions Drawings

VW3A31405

Additional EMC Input Filters

Dimensions



Dimensions in mm

a	b	c	G	H	Ø
140	235	35	120	215	4.5

Dimensions in in.

a	b	c	G	H	Ø
5.51	9.25	1.38	4.72	8.46	0.18

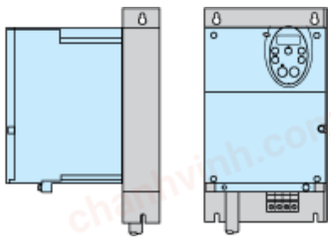
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Product data sheet
Mounting and Clearance

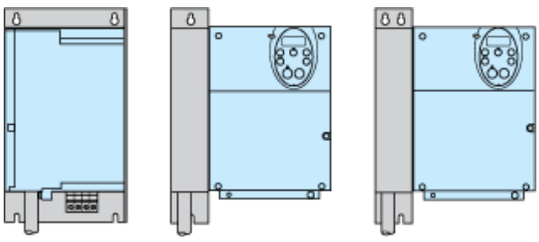
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Additional EMC Input Filter

Mounting the Filter under the Drive



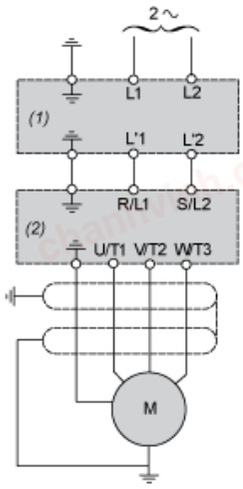
Mounting the Filter next to the Drive



Product data sheet
Connections and Schema

VW3A31405

Recommended Schema



(1) Filter
(2) Drive