

# Product data sheet

Specifications



## additional EMC filter S7 M2 - 1-phase supply - 22 A

VW3A31405

### 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 %
Product 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 IEC 60068-2-27

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Standards	IEC 61800-3
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## Packing Units

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Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	6.200 cm
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Package 1 Width	23.000 cm
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Package 1 Length	27.700 cm
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Package 1 Weight	959.000 g
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Unit Type of Package 2	S04
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Number of Units in Package 2	7
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Package 2 Height	30.000 cm
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Package 2 Width	40.000 cm
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Package 2 Length	60.000 cm
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Package 2 Weight	7.466 kg
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## Contractual warranty

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Warranty	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)
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

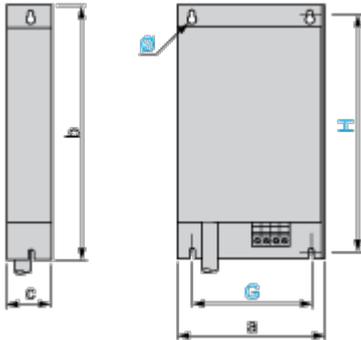
 <b>Repack and remanufacture</b>	
Take-back	No

Dimensions Drawings

Additional EMC Input Filters

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Dimensions



Dimensions in mm

a	b	c	G	H	Ø
140	235	35	120	215	4.5

Dimensions in in.

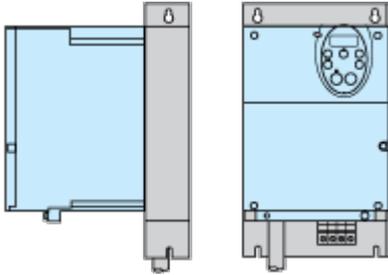
a	b	c	G	H	Ø
5.51	9.25	1.38	4.72	8.46	0.18

Mounting and Clearance

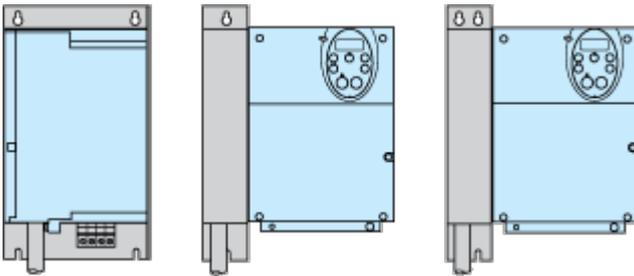
Additional EMC Input Filter

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**Mounting the Filter under the Drive**



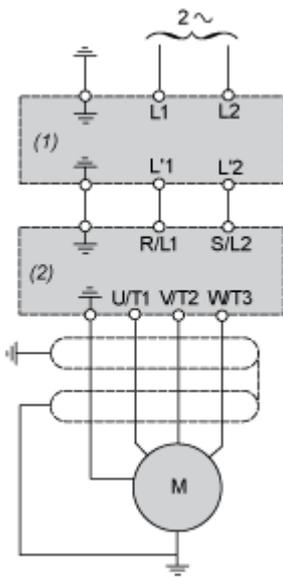
**Mounting the Filter next to the Drive**



Connections and Schema

Recommended Schema

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- (1) Filter
- (2) Drive