

# Product data sheet

Specifications



## additional EMC filter S6 M2 - 1-phase supply - 16 A

VW3A31403

### Main

|                              |   |
|------------------------------|---|
| Range of product             | Altivar   |
| Product or component type    | EMC input filter  |
| Range compatibility          | Lexium 05<br>Altivar 312<br>Altivar 31C<br>Lexium 23 Plus<br>Altivar 312 Solar<br>Altivar Machine ATV320  |
| Product compatibility        | Servo drive LXM23 motor: 0.75 kW<br>Servo drive LXM23 motor: 1 kW<br>Servo drive LXM23 motor: 1.5 kW<br>ATV312HU11M2<br>ATV312HU15M2<br>ATV31CU11M2<br>ATV31CU15M2<br>LXM05AD17F1<br>LXM05AD17M2<br>LXM05BD17F1<br>LXM05BD17M2<br>LXM05CD17M2<br>Variable speed drive ATV320...C motor: 1.1 kW, 200...240 V single phase<br>Variable speed drive ATV320...C motor: 1.5 kW, 200...240 V single phase<br>Variable speed drive ATV320...W/ATV320...WS motor: 1.1 kW, 200...240 V single phase<br>Variable speed drive ATV320...W/ATV320...WS motor: 1.5 kW, 200...240 V single phase |
| Product specific application | Radio interference input filter   |
| [In] rated current           | 16 A  |
| Thermal losses               | 6.9 W for ATV31CU11M2   |
| Network number of phases     | Single phase  |

### Complementary

|                               |              |
|-------------------------------|--------------|
| maximum earth leakage current | 150 mA 50 Hz |
| power supply voltage          | 200...240 V  |
| Tolerance                     | 10 %         |
| Net weight                    | 0.775 kg     |

### Environment

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| IP degree of protection               | IP20<br>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                       |

|                             |   |
|-----------------------------|---|
| <b>Operating altitude</b>   | <= 1000 m without current derating<br>1000...3000 m with current derating 1 % per 100 m                             |
| <b>Vibration resistance</b> | 1 gn (f= 13...150 Hz) conforming to IEC 60068-2-6<br>1.5 mm peak to peak (f= 3...13 Hz) conforming to IEC 60068-2-6 |
| <b>Shock resistance</b>     | 15 gn for 11 ms conforming to IEC 60068-2-27  |
| <b>Standards</b>            | IEC 61800-3   |

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Height</b>             | 5.0 cm   |
| <b>Package 1 Width</b>              | 18.6 cm  |
| <b>Package 1 Length</b>             | 24.2 cm  |
| <b>Package 1 Weight</b>             | 632.0 g  |
| <b>Unit Type of Package 2</b>       | S03      |
| <b>Number of Units in Package 2</b> | 7        |
| <b>Package 2 Height</b>             | 30.0 cm  |
| <b>Package 2 Width</b>              | 30.0 cm  |
| <b>Package 2 Length</b>             | 40.0 cm  |
| <b>Package 2 Weight</b>             | 5.043 kg |

## Contractual warranty

|                             |    |
|-----------------------------|----|
| <b>Warranty (in months)</b> | 18 |
|-----------------------------|----|

## 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) |

### Use Again

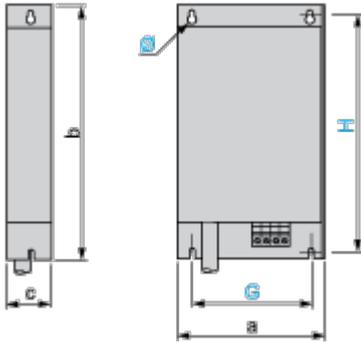
|  <b>Repack and remanufacture</b> |    |
|---|----|
| Take-back   | No |

Dimensions Drawings

Additional EMC Input Filters

---

Dimensions



Dimensions in mm

| a   | b   | c  | G  | H   | Ø   |
|-----|-----|----|----|-----|-----|
| 107 | 195 | 35 | 85 | 180 | 4.5 |

Dimensions in in.

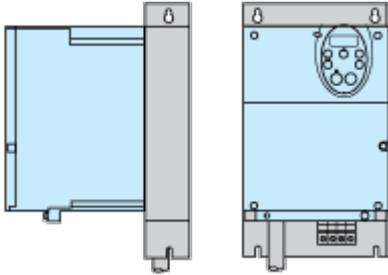
| a    | b    | c    | G    | H    | Ø    |
|------|------|------|------|------|------|
| 4.12 | 7.68 | 1.38 | 3.35 | 7.09 | 0.18 |

Mounting and Clearance

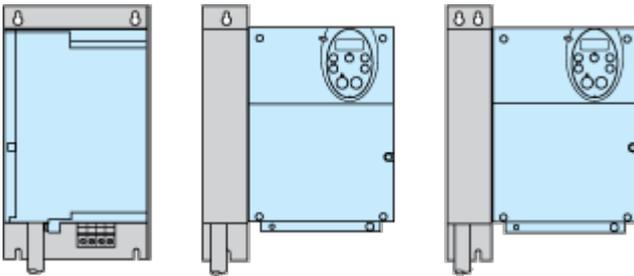
Additional EMC Input Filter

---

**Mounting the Filter under the Drive**



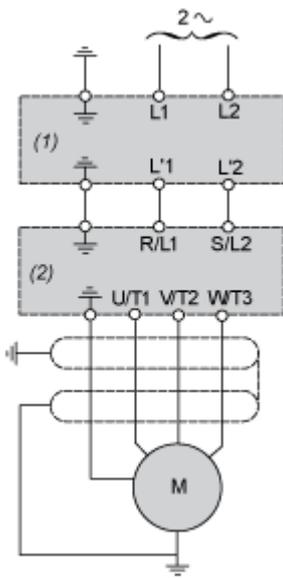
**Mounting the Filter next to the Drive**



Connections and Schema

Recommended Schema

---



- (1) Filter
- (2) Drive