

Product data sheet

Specifications



additionnal EMC filter S3 S4 M2 - 1-phase supply - 9 A

VW3A31401

Main

| | |
|------------------------------|--|
| Range of product | Altivar |
| Product or component type | EMC input filter |
| Range compatibility | Lexium SD3 Altivar 312 Solar Lexium 23 Plus Altivar Machine ATV320 Altivar 312 Altivar 31C Lexium 05 |
| Product compatibility | Servo drive LXM23 motor: 0.1 kW Servo drive LXM23 motor: 0.2 kW Servo drive LXM23 motor: 0.4 kW ATV312H018M2 ATV312H037M2 ATV312H055M2 ATV312H075M2 ATV31C018M2 ATV31C037M2 ATV31C055M2 ATV31C075M2 LXM05AD10F1 LXM05AD10M2 LXM05BD10F1 LXM05BD10M2 LXM05CD10M2 Variable speed drive ATV320...C motor: 0.18 kW, 200...240 V single phase Variable speed drive ATV320...C motor: 0.37 kW, 200...240 V single phase Variable speed drive ATV320...C motor: 0.55 kW, 200...240 V single phase Variable speed drive ATV320...C motor: 0.75 kW, 200...240 V single phase Variable speed drive ATV320...W/ATV320...WS motor: 0.18 kW, 200...240 V single phase Variable speed drive ATV320...W/ATV320...WS motor: 0.37 kW, 200...240 V single phase Variable speed drive ATV320...W/ATV320...WS motor: 0.55 kW, 200...240 V single phase Variable speed drive ATV320...W/ATV320...WS motor: 0.75 kW, 200...240 V single phase |
| Product specific application | Radio interference input filter |
| [In] rated current | 9 A |
| Thermal losses | 3.7 W for ATV31C018M2 |
| Network number of phases | Single phase |

Complementary

| | |
|-------------------------------|--------------|
| maximum earth leakage current | 100 mA 50 Hz |
| power supply voltage | 200...240 V |
| Tolerance | 10 % |
| Product weight | 0.6 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 |
| Standards | IEC 61800-3 |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.000 cm |
| Package 1 Width | 18.700 cm |
| Package 1 Length | 24.000 cm |
| Package 1 Weight | 499.000 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 7 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 3.891 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 56 |
| Package 3 Height | 75.000 cm |
| Package 3 Width | 60.000 cm |
| Package 3 Length | 80.000 cm |
| Package 3 Weight | 42.148 kg |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|



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

Materials and Substances

| | |
|--|--|
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| California proposition 65 | WARNING: 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 www.P65Warnings.ca.gov |

Use Again

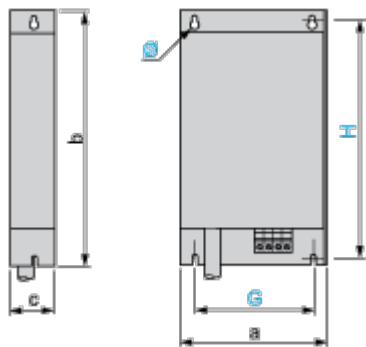
Repack and remanufacture

| | |
|-----------|----|
| Take-back | No |
|-----------|----|

Dimensions Drawings

Additional EMC Input Filters

Dimensions



Dimensions in mm

| a | b | c | G | H | Ø |
|----|-----|----|----|-----|-----|
| 72 | 195 | 37 | 52 | 180 | 4.5 |

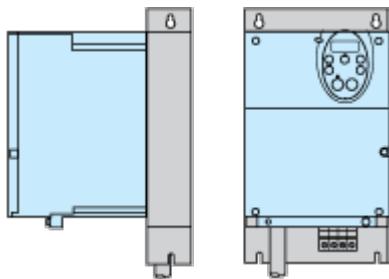
Dimensions in in.

| a | b | c | G | H | Ø |
|------|------|------|------|------|------|
| 2.83 | 7.68 | 1.46 | 2.05 | 7.09 | 0.18 |

Mounting and Clearance

Additional EMC Input Filter

Mounting the Filter under the Drive



Mounting the Filter next to the Drive

