



### Main

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product             | Altivar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product or component type    | EMC input filter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Range compatibility          | Altivar 312<br>Lexium 05<br>Altivar 31C<br>Altivar 212<br>Lexium 23 Plus<br>Altivar 312 Solar<br>Altivar Machine ATV320                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product compatibility        | Variable speed drive ATV320...Cmotor : 4 kW, 380...500 V three phase<br>Variable speed drive ATV320...Cmotor : 3 kW, 380...500 V three phase<br>Variable speed drive ATV320...Cmotor : 2.2 kW, 380...500 V three phase<br>ATV312HU40M3<br>ATV312HU30M3<br>ATV312HU40N4<br>ATV312HU30N4<br>ATV312HU22N4<br>LXM05CD34N4<br>LXM05CD22N4<br>LXM05BD42M3X<br>LXM05BD34N4<br>LXM05BD22N4<br>LXM05AD42M3X<br>LXM05AD34N4<br>LXM05AD22N4<br>ATV31CU40N4<br>ATV31CU30N4<br>ATV31CU22N4<br>ATV212HU55N4<br>ATV212HU40N4<br>ATV212HU40M3X<br>ATV212HU30N4<br>ATV212HU30M3X<br>Servo drive LXM23motor : 5.5 kW<br>Servo drive LXM23motor : 4.5 kW |
| Product specific application | Radio interference input filter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [In] rated current           | 25 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Thermal losses               | 6.2 W for ATV21HU40M3X<br>3.6 W for ATV21HU30M3X<br>15.8 W for ATV31CU22N4<br>1.6 W for ATV21HU40N4<br>3 W for ATV21HU55N4<br>1 W for ATV21HU30N4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Network number of phases     | Three phase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Complementary

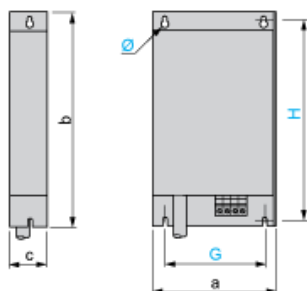
|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Electrical connection         | Terminal 10 mm <sup>2</sup> AWG 6                             |
| Tightening torque             | 1.8 N.m                                                       |
| Maximum earth leakage current | 17.8 mA at 480 V 60 Hz<br>37 mA at 480 V 60 Hz<br>35 mA 50 Hz |
| Power supply voltage          | 200...240 V<br>380...500 V                                    |
| Tolerance                     | 10 %                                                          |
| Product weight                | 1.35 kg<br>1.65 kg                                            |

## Environment

|                                       |                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| IP degree of protection               | IP41 (upper part)<br>IP20                                                                                             |
| Relative humidity                     | <= 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...3000 m with current derating 1 % per 100 m<br><= 1000 m without current derating                               |
| Vibration resistance                  | 1.5 mm peak to peak (f = 3...13 Hz) conforming to IEC 60068-2-6<br>1 gn (f = 13...150 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 15 gn for 11 ms conforming to EN/IEC 60068-2-27                                                                       |
| Standards                             | EN/IEC 61800-3<br>EN 133200                                                                                           |

## Additional EMC Input Filters

### Dimensions



Dimensions in mm

| a   | b   | c  | G   | H   | Ø   |
|-----|-----|----|-----|-----|-----|
| 140 | 235 | 50 | 120 | 215 | 4.5 |

Dimensions in in.

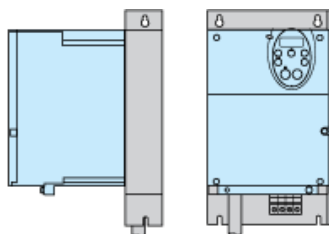
| a    | b    | c    | G    | H    | Ø    |
|------|------|------|------|------|------|
| 5.51 | 9.25 | 1.97 | 4.72 | 8.46 | 0.18 |

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Additional EMC Input Filter

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Mounting the Filter under the Drive



Mounting the Filter next to the Drive

