



## Main

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| Range of product          | Altivar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product or component type | Line/motor choke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product compatibility     | <p>Variable speed drive ATV310 7.5 kW - motor choke - 1 per drive</p> <p>ATV31CD11N4 - line choke - 1 per drive</p> <p>Variable speed drive ATV320 15 kW 525...600 V - three phase - motor choke - 1 per drive</p> <p>ATV312HU55M3 - line choke - 1 per drive</p> <p>LXM32.D30N4 - line choke - 1 per drive</p> <p>ATV71HD18Y - line choke - 1 per drive</p> <p>ATV312HD15S6 - motor choke - 1 per drive</p> <p>ATV312HD11S6 - motor choke - 1 per drive</p> <p>ATV312HD15N4 - line choke - 1 per drive</p> <p>ATV61WD11N4C - line choke - 1 per drive</p> <p>ATV61HD15N4 - line choke - 1 per drive</p> <p>ATV71WD15N4 - line choke - 1 per drive</p> <p>Variable speed drive ATV340 7.5 kW 380...480 V - line choke - 1 per drive</p> <p>Variable speed drive ATV930 18.5 kW 500...690 V - three phase - line choke - 1 per drive</p> <p>LXM32MC10N4 - line choke - 1 per drive</p> <p>ATV312HD11N4 - motor choke - 1 per drive</p> <p>Variable speed drive ATV320 5.5 kW 200...240 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV320 7.5 kW 380...500 V - three phase - motor choke - 1 per drive</p> <p>Variable speed drive ATV310 11 kW - line choke - 1 per drive</p> <p>ATV312HU40M3 - line choke - 1 per drive</p> <p>Variable speed drive ATV320 5.5 kW 200...240 V - three phase - motor choke - 1 per drive</p> <p>ATV312HU40M3 - motor choke - 1 per drive</p> <p>ATV61HD22Y - line choke - 1 per drive</p> <p>Variable speed drive ATV340 11 kW 380...480 V - line choke - 1 per drive</p> <p>ATV32HD11N4 - motor choke - 1 per drive</p> <p>Variable speed drive ATV930 600 V - three phase - line choke - 25 hp - 1 per drive</p> <p>LXM32.D18N4 - line choke - 1 per drive</p> <p>Variable speed drive ATV320 15 kW 380...500 V - three phase - line choke - 1 per drive</p> <p>ATV61HU55M3 - line choke - 1 per drive</p> <p>ATV32HD11N4 - line choke - 1 per drive</p> <p>ATV12PU40M3 - motor choke - 1 per drive</p> <p>Variable speed drive ATV340 15 kW 380...480 V - line choke - 1 per drive</p> <p>LXM32.D72N4 - line choke - 1 per drive</p> <p>ATV312HU75N4 - motor choke - 1 per drive</p> <p>Variable speed drive ATV320 11 kW 380...500 V - three phase - line choke - 1 per drive</p> <p>ATV61WD11N4 - line choke - 1 per drive</p> <p>ATV61HD11N4 - line choke - 1 per drive</p> <p>ATV71WD11N4 - line choke - 1 per drive</p> <p>ATV31CU75N4 - motor choke - 1 per drive</p> <p>Variable speed drive ATV630 600 V - three phase - line choke - 30 hp - 1 per drive</p> <p>Variable speed drive ATV320 4 kW 200...240 V - three phase - motor choke - 1 per drive</p> <p>ATV312HU75M3 - line choke - 1 per drive</p> <p>ATV61WD15N4 - line choke - 1 per drive</p> <p>Variable speed drive ATV320 15 kW 525...600 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV630 600 V - three phase - line choke - 25 hp - 1 per drive</p> <p>ATV31CD15N4 - line choke - 1 per drive</p> <p>ATV71PD11N4Z - line choke - 1 per drive</p> <p>ATV312HD11N4 - line choke - 1 per drive</p> <p>Variable speed drive ATV320 11 kW 380...500 V - three phase - motor choke - 1 per drive</p> <p>ATV312HD15S6 - line choke - 1 per drive</p> <p>Variable speed drive ATV320 7.5 kW 200...240 V - three phase - line choke - 1 per drive</p> <p>ATV61HD18Y - line choke - 1 per drive</p> <p>Variable speed drive ATV630 18.5 kW 500...690 V - three phase - line choke - 1 per drive</p> <p>ATV32HD15N4 - line choke - 1 per drive</p> <p>ATV71HU40M3 - line choke - 1 per drive</p> <p>Variable speed drive ATV310 7.5 kW - line choke - 1 per drive</p> <p>Variable speed drive ATV320 15 kW 525...600 V - three phase - line choke - 1 per drive</p> |

|                       |                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range compatibility   | Lexium 32<br>Altivar 312 Solar<br>Easy Altivar 310<br>Altivar 12<br>Lexium 62<br>Altivar 71<br>Altivar Machine ATV340<br>Altivar Machine ATV320<br>Altivar Process ATV900<br>Altivar 31C<br>Altivar 61<br>Lexium 52<br>Altivar 32<br>Altivar 312<br>Altivar Process ATV600<br>Easy Altivar 310L |
| Device application    | Reduction of current harmonics<br>Reduction of overvoltages at motor terminals                                                                                                                                                                                                                  |
| Value of inductance   | 1 mH                                                                                                                                                                                                                                                                                            |
| Line Rated Current    | 31 A                                                                                                                                                                                                                                                                                            |
| Thermal losses        | 90 W                                                                                                                                                                                                                                                                                            |
| Electrical connection | Terminal 16 mm <sup>2</sup> / AWG 4, 10.62...12.39 lbf.in (1.2...1.4 N.m)                                                                                                                                                                                                                       |

## Complementary

|                                    |                              |
|------------------------------------|------------------------------|
| Power supply frequency             | 50...60 Hz                   |
| Max current                        | 1.65 x nominal current 60 s) |
| Maximum voltage drop at rated load | 5 %                          |
| Electrical insulation class        | Class F                      |
| Minimum clearance distance         | 0.22 in (5.5 mm) IEC 60664   |
| Leakage distance                   | 0.45 in (11.5 mm) IEC 60664  |
| Net weight                         | 13.23 lb(US) (6 kg)          |
| Width                              | 6.10 in (155 mm)             |
| Height                             | 6.69 in (170 mm)             |
| Depth                              | 5.31 in (135 mm)             |

## Environment

|                                       |                                                                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Standards                             | EN 50178<br>IEC 60076 (with HD398)<br>VDE 0160 level 1                                                                      |
| IP degree of protection               | Choke IP00<br>Terminals IP10                                                                                                |
| Environmental characteristic          | 3B1 IEC 721-3-3<br>3C2 IEC 721-3-3<br>3S1 IEC 721-3-3                                                                       |
| Pollution degree                      | 2 EN 50178                                                                                                                  |
| Vibration resistance                  | 1 gn 13...200 Hz)IEC 60068-2-6<br>1.5 mm peak to peak 3...13 Hz)IEC 60068-2-6                                               |
| Shock resistance                      | 15 gn 11 ms IEC 60068-2-27                                                                                                  |
| Relative humidity                     | 0...95 %                                                                                                                    |
| Ambient air temperature for operation | 113...131 °F (45...55 °C) with current derating of 2 % per °C)<br>32...113 °F (0...45 °C) without current derating)         |
| Ambient air temperature for storage   | -13...158 °F (-25...70 °C)                                                                                                  |
| Operating altitude                    | <= 3280.84 ft (1000 m) without current derating<br>3280.84...9842.52 ft (1000...3000 m) with current derating 1 % per 100 m |

## Ordering and shipping details

|                   |                                         |
|-------------------|-----------------------------------------|
| Category          | 22154 - ATV320/ATV312/ATV32 ACCESSORIES |
| Discount Schedule | CP4B                                    |
| GTIN              | 00785901056164                          |
| Returnability     | No                                      |
| Country of origin | FR                                      |

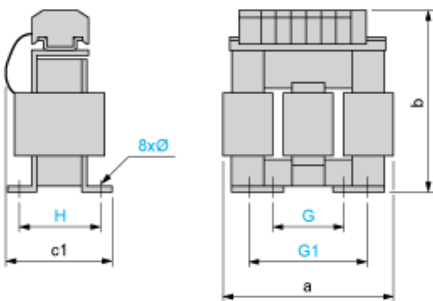
Offer Sustainability

|                            |                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                                                                                                                |
| Mercury free               | Yes                                                                                                                                                                                |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                           |

Contractual warranty

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

Dimensions



Dimensions in mm

| a   | b   | c1  | G  | G1  | H  | Ø      |
|-----|-----|-----|----|-----|----|--------|
| 155 | 170 | 135 | 75 | 107 | 90 | 6 x 12 |

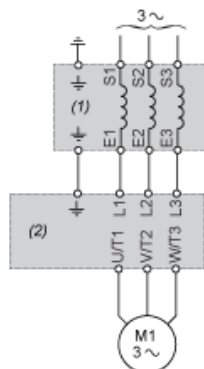
Dimensions in in.

| a    | b    | c1   | G    | G1   | H    | Ø           |
|------|------|------|------|------|------|-------------|
| 6.10 | 6.69 | 5.31 | 2.95 | 4.21 | 3.54 | 0.24 x 0.47 |

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Recommended Schema - Line Choke

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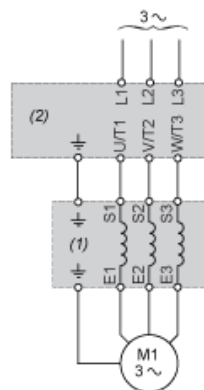


- (1) Line Choke  
(2) Drive

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Recommended Schema - Motor Choke

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- (1) Motor Choke  
(2) Drive