



## Main

| Range of product          | Altivar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product or component type | Line/motor choke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Product compatibility     | <p>ATV12H018F1 - motor choke - 1 per drive</p> <p>ATV12H018M2 - motor choke - 1 per drive</p> <p>ATV12H018M3 - motor choke - 1 per drive</p> <p>ATV12H037F1 - motor choke - 1 per drive</p> <p>ATV12H037M2 - motor choke - 1 per drive</p> <p>ATV12H037M3 - motor choke - 1 per drive</p> <p>ATV12H055M2 - motor choke - 1 per drive</p> <p>ATV12P037F1 - motor choke - 1 per drive</p> <p>ATV12P037M2 - motor choke - 1 per drive</p> <p>ATV12P037M3 - motor choke - 1 per drive</p> <p>ATV12P055M2 - motor choke - 1 per drive</p> <p>ATV312H018M3 - line choke - 1 per drive</p> <p>ATV312H037M3 - line choke - 1 per drive</p> <p>ATV312H037N4 - line choke - 1 per drive</p> <p>ATV312H055M3 - line choke - 1 per drive</p> <p>ATV312H055N4 - line choke - 1 per drive</p> <p>ATV312H075M3 - line choke - 1 per drive</p> <p>ATV312H075N4 - line choke - 1 per drive</p> <p>ATV312H075S6 - line choke - 1 per drive</p> <p>ATV312HU11N4 - line choke - 1 per drive</p> <p>ATV312HU15N4 - line choke - 1 per drive</p> <p>ATV312HU15S6 - line choke - 1 per drive</p> <p>ATV32H037N4 - line choke - 1 per drive</p> <p>ATV32H055N4 - line choke - 1 per drive</p> <p>ATV32H075N4 - line choke - 1 per drive</p> <p>ATV32HU11N4 - line choke - 1 per drive</p> <p>ATV32HU15N4 - line choke - 1 per drive</p> <p>ATV61H075M3 - line choke - 1 per drive</p> <p>ATV61H075N4 - line choke - 1 per drive</p> <p>ATV61HU15N4 - line choke - 1 per drive</p> <p>ATV61HU30Y - line choke - 1 per drive</p> <p>ATV61W075N4 - line choke - 1 per drive</p> <p>ATV61W075N4C - line choke - 1 per drive</p> <p>ATV61WU15N4 - line choke - 1 per drive</p> <p>ATV61WU15N4C - line choke - 1 per drive</p> <p>ATV71H037M3 - line choke - 1 per drive</p> <p>ATV71H075M3 - line choke - 1 per drive</p> <p>ATV71H075N4 - line choke - 1 per drive</p> <p>ATV71HU15N4 - line choke - 1 per drive</p> <p>ATV71HU22Y - line choke - 1 per drive</p> <p>ATV71HU30Y - line choke - 1 per drive</p> <p>ATV71P075N4Z - line choke - 1 per drive</p> <p>ATV71PU15N4Z - line choke - 1 per drive</p> <p>ATV71W075N4 - line choke - 1 per drive</p> <p>ATV71WU15N4 - line choke - 1 per drive</p> <p>ATV61HU22S6X - line choke - 1 per drive</p> <p>ATV71HU15S6X - line choke - 1 per drive</p> <p>ATV71HU22S6X - line choke - 1 per drive</p> <p>ATV31C037N4 - line choke - 1 per drive</p> <p>ATV31C055N4 - line choke - 1 per drive</p> <p>ATV31C075N4 - line choke - 1 per drive</p> <p>ATV31CU11N4 - line choke - 1 per drive</p> <p>ATV31CU15N4 - line choke - 1 per drive</p> <p>Variable speed drive ATV310 motor: 0.37 kW - line choke - 1 per drive</p> <p>Variable speed drive ATV310 motor: 0.75 kW - line choke - 1 per drive</p> <p>Variable speed drive ATV340 motor: 0.75 kW 380...480 V - line choke - 1 per drive</p> <p>Variable speed drive ATV340 motor: 1.5 kW 380...480 V - line choke - 1 per drive</p> <p>Variable speed drive ATV320 motor: 0.37 kW 380...500 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV320 motor: 0.55 kW 380...500 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV320 motor: 0.75 kW 380...500 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV320 motor: 1.1 kW 380...500 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV320 motor: 1.5 kW 380...500 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV320 motor: 0.18 kW 200...240 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV320 motor: 0.37 kW 200...240 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV320 motor: 0.55 kW 200...240 V - three phase - line choke - 1 per drive</p> <p>Variable speed drive ATV320 motor: 0.75 kW 200...240 V - three phase - line choke - 1 per drive</p> |

|                       |                                                                                                                                                                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range compatibility   | Altivar 61<br>Altivar 312<br>Altivar Process ATV900<br>Altivar 32<br>Altivar 312 Solar<br>Altivar Process ATV600<br>Altivar 31C<br>Lexium 62<br>Easy Altivar 310<br>Altivar Machine ATV340<br>Altivar Machine ATV320<br>Altivar 71<br>Altivar 12<br>Easy Altivar 310L |
| Device application    | Reduction of current harmonics                                                                                                                                                                                                                                        |
| Value of inductance   | 10 mH                                                                                                                                                                                                                                                                 |
| [In] rated current    | 4 A                                                                                                                                                                                                                                                                   |
| Thermal losses        | 45 W                                                                                                                                                                                                                                                                  |
| Electrical connection | Terminal 2.5 mm <sup>2</sup> / AWG 12, 0.4...0.6 N.m                                                                                                                                                                                                                  |

### Complementary

|                                    |                                          |
|------------------------------------|------------------------------------------|
| Power supply frequency             | 50...60 Hz                               |
| Max current                        | 1.65 x nominal current (duration = 60 s) |
| Maximum voltage drop at rated load | 5 %                                      |
| Electrical insulation class        | Class F                                  |
| Minimum clearance distance         | 5.5 mm IEC 60664                         |
| Leakage distance                   | 11.5 mm conforming to IEC 60664          |
| Product weight                     | 1.5 kg                                   |
| Width                              | 100 mm                                   |
| Height                             | 135 mm                                   |
| Depth                              | 60 mm                                    |

### Environment

|                                       |                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Standards                             | VDE 0160 level 1<br>IEC 60076 (with HD398)<br>EN 50178                                                              |
| IP degree of protection               | Choke: IP00<br>Terminals: IP20                                                                                      |
| Environmental characteristic          | 3B1 conforming to IEC 721-3-3<br>3C2 conforming to IEC 721-3-3<br>3S1 conforming to IEC 721-3-3                     |
| Pollution degree                      | 2 conforming to EN 50178                                                                                            |
| Vibration resistance                  | 1 gn (f= 13...200 Hz) conforming to IEC 60068-2-6<br>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                                                                        |
| Relative humidity                     | 0...95 %                                                                                                            |
| Ambient air temperature for operation | 45...55 °C (with current derating of 2 % per °C)<br>0...45 °C (without current derating)                            |
| Ambient air temperature for storage   | -25...70 °C                                                                                                         |
| Operating altitude                    | <= 1000 m without current derating<br>1000...3000 m with current derating 1 % per 100 m                             |

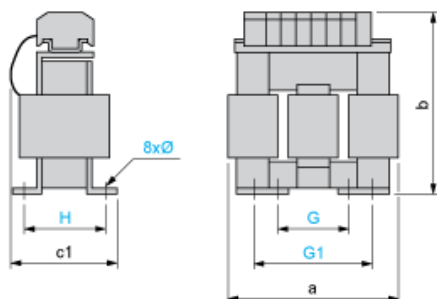
### Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |  Yes                                                                                              |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                           |

Contractual warranty

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

## Dimensions



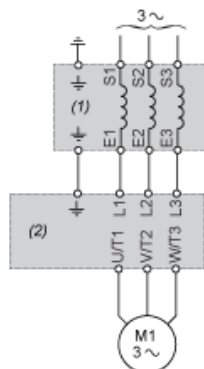
Dimensions in mm

| a   | b   | c1 | G  | G1 | H  | Ø     |
|-----|-----|----|----|----|----|-------|
| 100 | 135 | 60 | 40 | 60 | 42 | 6 x 9 |

Dimensions in in.

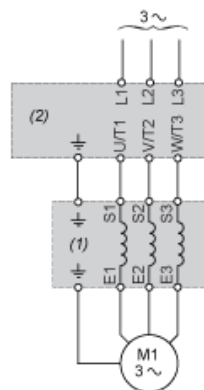
| a    | b    | c1   | G    | G1   | H    | Ø           |
|------|------|------|------|------|------|-------------|
| 3.94 | 5.31 | 2.36 | 1.57 | 2.36 | 1.65 | 0.24 x 0.35 |

### Recommended Schema - Line Choke



- (1) Line Choke
- (2) Drive

### Recommended Schema - Motor Choke



- (1) Motor Choke
- (2) Drive