



### Main

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| Range of product                | Altivar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product or component type       | Encoder interface module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Range compatibility             | Altivar 71<br>Altivar 71Q<br>Altivar Lift                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Encoder type                    | Resolver                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Number of pulses per revolution | 4096                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Excitation voltage              | 1.25...5.6 Vrms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Number of encoder poles         | Encoder poles: 2, motor poles: 2 7500 rpm, number of pulses per revolution = 4096<br>Encoder poles: 2, motor poles: 4 3750 rpm, number of pulses per revolution = 2048<br>Encoder poles: 2, motor poles: 6 2500 rpm, number of pulses per revolution = 1024<br>Encoder poles: 2, motor poles: 8 1875 rpm, number of pulses per revolution = 512<br>Encoder poles: 2 7500 rpm, number of pulses per revolution = 4096<br>Encoder poles: 4 3750 rpm, number of pulses per revolution = 4096<br>Encoder poles: 6 2500 rpm, number of pulses per revolution = 4096<br>Encoder poles: 8 1875 rpm, number of pulses per revolution = 4096 |

### Complementary

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product compatibility                  | ATV71H...M3383<br>ATV71H...M3X383<br>ATV71H...N4383                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Maximum cable distance between devices | 200 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Ratio                                  | Transformation : 4:1, 3:1, 2:1, 1:1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Excitation current                     | 50 mA maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Secondary voltage                      | 1 Vrms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Excitation frequency                   | Adjustable : 4, 8, 12 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Speed feedback resolution              | 12 +/- 1 bits, 2exp(12) maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Electrical connection                  | Terminal, connection capacity: 0.2 mm <sup>2</sup> (AWG 24) <25 m cable length, encoder, 30 mA<br>Terminal, connection capacity: 0.2 mm <sup>2</sup> (AWG 24) <25 m cable length, encoder, 50 mA<br>Terminal, connection capacity: 0.2 mm <sup>2</sup> (AWG 24) <50 m cable length, encoder, 30 mA<br>Terminal, connection capacity: 0.5 mm <sup>2</sup> (AWG 20) <100 m cable length, encoder, 30 mA<br>Terminal, connection capacity: 0.5 mm <sup>2</sup> (AWG 20) <100 m cable length, encoder, 50 mA<br>Terminal, connection capacity: 0.5 mm <sup>2</sup> (AWG 20) <50 m cable length, encoder, 50 mA<br>Terminal, connection capacity: 0.75 mm <sup>2</sup> (AWG 18) <200 m cable length, encoder, 30 mA<br>Terminal, connection capacity: 1 mm <sup>2</sup> (AWG 17) <200 m cable length, encoder, 50 mA |
| Net weight                             | 0.2 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.166 kg |
| Package 1 Height | 0.720 dm |
| Package 1 width  | 1.670 dm |
| Package 1 Length | 2.300 dm |

## Offer Sustainability

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                          |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                              |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                            |
| RoHS exemption information | <a href="#">Yes</a>                                                                            |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                         |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                  |

## Contractual warranty

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