



## Main

|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| Range of product                | Altivar                                                             |
| Product or component type       | Encoder interface card                                              |
| Range compatibility             | Altivar 71<br>Altivar Lift<br>Altivar 71Q                           |
| Discrete output type            | Differential                                                        |
| Communication port protocol     | RS422                                                               |
| [Us] rated supply voltage       | 15 V (voltage limits: 15...16 V)<br>5 V (voltage limits: 5...5.5 V) |
| Number of pulses per revolution | <= 10000                                                            |

## Complementary

|                             |                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------|
| Product compatibility       | ATV71H...N4383<br>ATV71H...M3X383<br>ATV71H...M3383                                                               |
| Supply current              | <= 0.2 A                                                                                                          |
| Protection type             | Overload protection<br>Short-circuit protection                                                                   |
| Cable length                | <= 50 m                                                                                                           |
| Maximum operating frequency | 300 kHz                                                                                                           |
| Input signal                | Z<br>Compliment of Z<br>Compliment of B<br>Compliment of A<br>B<br>A                                              |
| Input impedance             | 440 Ohm                                                                                                           |
| Output signal               | A compliment of A B compliment of B Z compliment of Z<br>A compliment of A B compliment of B<br>A compliment of A |
| Ratio                       | 1, 1/2, 1/4, 1/8, 1/16, 1/32 or 1/64                                                                              |

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.

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| Electrical connection | <p>Terminal, connection capacity: 1.5 mm<sup>2</sup> (AWG 15) &lt;= 300 m cable length (encoder consumption of 50 mA) at 14.75 V</p> <p>Terminal, connection capacity: 1.5 mm<sup>2</sup> (AWG 15) &lt;= 200 m cable length (encoder consumption of 50 mA) at 4.75 V</p> <p>Terminal, connection capacity: 1.5 mm<sup>2</sup> (AWG 15) &lt;= 200 m cable length (encoder consumption of 100 mA) at 14.75 V</p> <p>Terminal, connection capacity: 1.5 mm<sup>2</sup> (AWG 15) &lt;= 100 m cable length (encoder consumption of 200 mA) at 14.75 V</p> <p>Terminal, connection capacity: 1.5 mm<sup>2</sup> (AWG 15) &lt;= 100 m cable length (encoder consumption of 100 mA) at 4.75 V</p> <p>Terminal, connection capacity: 1 mm<sup>2</sup> (AWG 17) &lt;= 200 m cable length (encoder consumption of 50 mA) at 14.75 V</p> <p>Terminal, connection capacity: 0.75 mm<sup>2</sup> (AWG 18) &lt;= 50 m cable length (encoder consumption of 200 mA) at 14.75 V</p> <p>Terminal, connection capacity: 0.75 mm<sup>2</sup> (AWG 18) &lt;= 100 m cable length (encoder consumption of 50 mA) at 4.75 V</p> <p>Terminal, connection capacity: 0.75 mm<sup>2</sup> (AWG 18) &lt;= 100 m cable length (encoder consumption of 100 mA) at 14.75 V</p> <p>Terminal, connection capacity: 0.5 mm<sup>2</sup> (AWG 20) &lt;= 50 m cable length (encoder consumption of 50 mA) at 4.75 V</p> <p>Terminal, connection capacity: 0.5 mm<sup>2</sup> (AWG 20) &lt;= 50 m cable length (encoder consumption of 100 mA) at 14.75 V</p> <p>Terminal, connection capacity: 0.5 mm<sup>2</sup> (AWG 20) &lt;= 25 m cable length (encoder consumption of 200 mA) at 14.75 V</p> <p>Terminal, connection capacity: 0.5 mm<sup>2</sup> (AWG 20) &lt;= 100 m cable length (encoder consumption of 50 mA) at 14.75 V</p> <p>Terminal, connection capacity: 0.2 mm<sup>2</sup> (AWG 24) &lt;= 50 m cable length (encoder consumption of 50 mA) at 14.75 V</p> <p>Terminal, connection capacity: 0.2 mm<sup>2</sup> (AWG 24) &lt;= 25 m cable length (encoder consumption of 50 mA) at 4.75 V</p> <p>Terminal, connection capacity: 0.2 mm<sup>2</sup> (AWG 24) &lt;= 25 m cable length (encoder consumption of 50 mA) at 14.75 V</p> <p>Terminal, connection capacity: 0.2 mm<sup>2</sup> (AWG 24) &lt;= 25 m cable length (encoder consumption of 100 mA) at 14.75 V</p> <p>Terminal, connection capacity: 1.5 mm<sup>2</sup> (AWG 15) &lt;= 50 m cable length (encoder consumption of 200 mA) at 4.75 V</p> <p>Terminal, connection capacity: 1 mm<sup>2</sup> (AWG 17) &lt;= 25 m cable length (encoder consumption of 200 mA) at 4.75 V</p> <p>Terminal, connection capacity: 0.75 mm<sup>2</sup> (AWG 18) &lt;= 50 m cable length (encoder consumption of 100 mA) at 4.75 V</p> <p>Terminal, connection capacity: 0.5 mm<sup>2</sup> (AWG 20) &lt;= 25 m cable length (encoder consumption of 100 mA) at 4.75 V</p> |
| Product weight        | 0.2 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |