



Main

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

Complementary

Product compatibility	ATV71H...M3383 ATV71H...M3X383 ATV71H...N4383
Supply current	<= 0.2 A
Protection type	Overload protection Short-circuit protection
Maximum operating frequency	300 kHz
Input signal	A B Compliment of A Compliment of B Compliment of Z Z
Input impedance	440 Ohm
Output signal	A compliment of A A compliment of A B compliment of B A compliment of A B compliment of B Z compliment of Z
Ratio	1, 1/2, 1/4, 1/8, 1/16, 1/32 or 1/64
Electrical connection	Terminal, connection capacity: 0.5 mm ² (AWG 20) 25 m cable length (encoder 100 mA) at 4.75 V Terminal, connection capacity: 0.5 mm ² (AWG 20) 25 m cable length (encoder 100 mA) at 14.75 V Terminal, connection capacity: 0.75 mm ² (AWG 18) 50 m cable length (encoder 100 mA) at 4.75 V Terminal, connection capacity: 0.75 mm ² (AWG 18) 50 m cable length (encoder 100 mA) at 14.75 V Terminal, connection capacity: 1 mm ² (AWG 17) 25 m cable length (encoder 200 mA) at 4.75 V Terminal, connection capacity: 1.5 mm ² (AWG 15) 50 m cable length (encoder 200 mA) at 4.75 V Terminal, connection capacity: 1.5 mm ² (AWG 15) 50 m cable length (encoder 200 mA) at 14.75 V Terminal, connection capacity: 0.2 mm ² (AWG 24) 25 m cable length (encoder 100 mA) at 14.75 V Terminal, connection capacity: 0.2 mm ² (AWG 24) 25 m cable length (encoder 50 mA) at 14.75 V Terminal, connection capacity: 0.2 mm ² (AWG 24) 25 m cable length (encoder 50 mA) at 4.75 V Terminal, connection capacity: 0.5 mm ² (AWG 20) 100 m cable length (encoder 50 mA) at 14.75 V Terminal, connection capacity: 0.5 mm ² (AWG 20) 25 m cable length (encoder 200 mA) at 14.75 V Terminal, connection capacity: 0.5 mm ² (AWG 20) 50 m cable length (encoder 50 mA) at 4.75 V Terminal, connection capacity: 0.75 mm ² (AWG 18) 100 m cable length (encoder 50 mA) at 4.75 V Terminal, connection capacity: 0.75 mm ² (AWG 18) 50 m cable length (encoder 200 mA) at 14.75 V Terminal, connection capacity: 1 mm ² (AWG 17) 200 m cable length (encoder 50 mA) at 14.75 V

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

Terminal, connection capacity: 1.5 mm² (AWG 15) 100 m cable length (encoder 100 mA) at 4.75 V
Terminal, connection capacity: 1.5 mm² (AWG 15) 200 m cable length (encoder 100 mA) at 14.75 V
Terminal, connection capacity: 1.5 mm² (AWG 15) 200 m cable length (encoder 50 mA) at 4.75 V
Terminal, connection capacity: 1.5 mm² (AWG 15) 300 m cable length (encoder 50 mA) at 14.75 V

Product weight	0.44 lb(US) (0.2 kg)
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Environment

Offer Sustainability

WARNING: This product can expose you to chemicals including:

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Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

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Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm.

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For more information go to www.p65warnings.ca.gov

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Contractual warranty

Warranty period	18 months
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