



Main

Range of product	Altivar
Product or component type	Encoder interface card
Range compatibility	Altivar Lift Altivar 71 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
Maximum supply current	0.2 A
Protection type	Overload protection Short-circuit protection
Maximum cable distance between devices	50 m
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: 0.75 mm ² (AWG 18) <50 m cable length, encoder, 100 mA at 4.75 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: 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: 0.2 mm ² (AWG 24) <50 m cable length, encoder, 50 mA at 14.75 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, 100 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, 100 mA at 14.75 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 Terminal, connection capacity: 1.5 mm ² (AWG 15) <100 m cable length, encoder, 100 mA at 4.75 V Terminal, connection capacity: 1.5 mm ² (AWG 15) <100 m cable length, encoder, 200 mA at 14.75 V Terminal, connection capacity: 1.5 mm ² (AWG 15) <200 m cable length, encoder, 100 mA at 14.75 V Terminal, connection capacity: 1.5 mm ² (AWG 15) <200 m cable length, encoder, 50 mA at 4.75 V Terminal, connection capacity: 1.5 mm ² (AWG 15) <300 m cable length, encoder, 50 mA at 14.75 V
Net weight	0.2 kg

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration