

Product datasheet

Specifications



encoder interface card RS422
compatible differential outputs w
encoder emulation

VW3A3E411

Main

Range of product	Altivar
Product or component type	Encoder interface card
Range compatibility	Altivar 71 Plus
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

Maximum supply current	0.2 A
Protection type	Short-circuit protection Overload 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

Disclaimer: 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

Electrical connection	Terminal, connection capacity: 0.5 mm² (AWG 20) <25 m cable length, encoder, 100 mA at 4.75 V Terminal, connection capacity: 0.75 mm² (AWG 18) <50 m cable length, encoder, 100 mA at 4.75 V Terminal, connection capacity: 1 mm² (AWG 17) <25 m cable length, encoder, 200 mA at 4.75 V Terminal, connection capacity: 1.5 mm² (AWG 15) <50 m cable length, encoder, 200 mA at 4.75 V Terminal, connection capacity: 0.2 mm² (AWG 24) <25 m cable length, encoder, 100 mA at 14.75 V Terminal, connection capacity: 0.2 mm² (AWG 24) <25 m cable length, encoder, 50 mA at 14.75 V Terminal, connection capacity: 0.2 mm² (AWG 24) <25 m cable length, encoder, 50 mA at 4.75 V Terminal, connection capacity: 0.2 mm² (AWG 24) <50 m cable length, encoder, 50 mA at 14.75 V Terminal, connection capacity: 0.5 mm² (AWG 20) <100 m cable length, encoder, 50 mA at 14.75 V Terminal, connection capacity: 0.5 mm² (AWG 20) <25 m cable length, encoder, 200 mA at 14.75 V Terminal, connection capacity: 0.5 mm² (AWG 20) <50 m cable length, encoder, 100 mA at 14.75 V Terminal, connection capacity: 0.5 mm² (AWG 20) <50 m cable length, encoder, 50 mA at 4.75 V Terminal, connection capacity: 0.75 mm² (AWG 18) <100 m cable length, encoder, 100 mA at 14.75 V Terminal, connection capacity: 0.75 mm² (AWG 18) <100 m cable length, encoder, 50 mA at 4.75 V Terminal, connection capacity: 0.75 mm² (AWG 18) <50 m cable length, encoder, 200 mA at 14.75 V Terminal, connection capacity: 1 mm² (AWG 17) <200 m cable length, encoder, 50 mA at 14.75 V 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) <100 m cable length, encoder, 200 mA at 14.75 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
-----------------------	---

Net weight	0.2 kg
------------	--------

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	18
----------------------	----



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No