

Product datasheet

Specifications



universal encoder interface card with SinCos,SinCos Hiperface, EnDat, SSI output

VW3A3E409

Main

Range of product	Altivar
Product or component type	Encoder interface card
Range compatibility	Altivar 71 Plus
Encoder type	SinCos Hiperface EnDat 2.2 SSI
[Us] rated supply voltage	5 V (voltage limits: 5...5.5 V) 8 V (voltage limits: 8...8.5 V) 12 V (voltage limits: 12...12.5 V)

Complementary

Maximum supply current	0.2 A
Protection type	Short-circuit protection Overload protection
Maximum cable distance between devices	50 m
Speed feedback resolution	2exp(13) maximum
Clock frequency	500 kHz fixed
Output type	SSI Gray or binary with no, odd or even parity, configurable SinCos Hiperface 10000 lines maximum SinCos 10000 lines maximum EnDat 2.1 25 bits maximum

Electrical connection	Terminal, connection capacity: 0.5 mm² (AWG 20) <25 m cable length, encoder, 100 mA at 4.75 V Terminal, connection capacity: 0.5 mm² (AWG 20) <25 m cable length, encoder, 100 mA at 7.75 V Terminal, connection capacity: 0.5 mm² (AWG 20) <25 m cable length, encoder, 100 mA at 14.75 V Terminal, connection capacity: 0.75 mm² (AWG 18) <50 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 7.75 V Terminal, connection capacity: 0.75 mm² (AWG 18) <50 m cable length, encoder, 100 mA at 14.75 V Terminal, connection capacity: 1 mm² (AWG 17) <25 m cable length, encoder, 200 mA at 4.75 V Terminal, connection capacity: 1 mm² (AWG 17) <25 m cable length, encoder, 200 mA at 7.75 V Terminal, connection capacity: 1 mm² (AWG 17) <25 m cable length, encoder, 200 mA at 14.75 V Terminal, connection capacity: 1.5 mm² (AWG 15) <50 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 7.75 V Terminal, connection capacity: 1.5 mm² (AWG 15) <50 m cable length, encoder, 200 mA at 14.75 V
Net weight	0.2 kg

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

Packing Units

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

Contractual warranty

Warranty (in months)	18
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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