

Product datasheet

Specifications

digital encoder interface module



VW3A3420

EAN Code: 3606485441252

Main

Range of product	Altivar
Product or component type	Digital encoder interface module
Range compatibility	Altivar Process ATV900 Altivar Process Modular Altivar Machine ATV340
Communication port protocol	RS422
Encoder type	EnDat 2.2 A/B/I incremental XCC1 type R A/B/I incremental XCC1 type X SSI absolute encoder XCC2 type SG SSI absolute encoder XCC3 type SB
[Us] rated supply voltage	5 V DC (voltage limits: 4.75...5.25 V) 12 V DC (voltage limits: 11.4...12.6 V) 24 V DC (voltage limits: 22.8...25.2 V)

Complementary

Maximum supply current	0.25 A at 5 V DC 0.1 A at 12 V DC 0.1 A at 24 V DC
Protection type	Short-circuit protection Overload protection
Maximum cable distance between devices	100 m (A/B/I) 50 m (SSI) 100 m (SSI)at 300 kHz 50 m (EnDat 2.2) 100 m (EnDat 2.2)with propagation delay compensation
Maximum operating frequency	1000 kHz
Input signal	Data+, Data- (EnDat 2.2) Data+, Data- (SSI) Temp+, Temp- A+,A-/B+,B-/I+,I- (A/B/I) TTL
Input impedance	121 Ohm
Output signal	Clock+, Clock- (SSI) Data+, Data-, Clock+, Clock- (EnDat 2.2)
Connector type	1 female high density SUB-D 15
Net weight	0.15 kg

Packing Units

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

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

Package 1 Height	7.0 cm
Package 1 Width	13.0 cm
Package 1 Length	19.0 cm
Package 1 Weight	155.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.206 kg

Logistical informations

Country of origin	ID
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Contractual warranty

Warranty	18 months
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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 >](#)

 Environmental footprint	
Total lifecycle Carbon footprint	107
Environmental Disclosure	Product Environmental Profile

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	F26c5dc1-8fcc-4cb7-9720-cb35026be240
PVC free	Yes

Use Again

 Repack and remanufacture	
Recyclability potential, in %	10
End of life manual availability	No need of specific recycling operations
Take-back	No