Product datasheet

Specifications

resolver encoder interface card - 1.25..5.6 Vrms

VW3A3E408

End-of-service on: 2 Dec 2021

Discontinued

Main

Range of product	Altivar
Product or component type	Encoder interface module
Range compatibility	Altivar 71 Plus
Encoder type	Resolver
Number of pulses per revolution	4096
Excitation voltage	1.25...5.6 Vrms
Number of encoder poles	Encoder poles: 2, motor poles: 2 7500 rpm, number of pulses per revolution = 4096 Encoder poles: 2, motor poles: 4 3750 rpm, number of pulses per revolution = 2048 Encoder poles: 2, motor poles: 6 2500 rpm, number of pulses per revolution = 1024 Encoder poles: 2, motor poles: 8 1875 rpm, number of pulses per revolution = 512 Encoder poles: 2 7500 rpm, number of pulses per revolution = 4096 Encoder poles: 4 3750 rpm, number of pulses per revolution = 4096 Encoder poles: 6 2500 rpm, number of pulses per revolution = 4096 Encoder poles: 8 1875 rpm, number of pulses per revolution = 4096

Complementary

Maximum cable distance between devices	200 m
Ratio	Transformation : 4:1, 3:1, 2:1, 1:1
Excitation current	50 mA maximum
secondary voltage	1 Vrms
Excitation frequency	Adjustable : 4, 8, 12 kHz
Speed feedback resolution	12 +/- 1 bits, 2exp(12) maximum
Electrical connection	Terminal, connection capacity: 0.2 mm² (AWG 24) <25 m cable length, encoder, 30 mA Terminal, connection capacity: 0.2 mm² (AWG 24) <25 m cable length, encoder, 50 mA Terminal, connection capacity: 0.2 mm² (AWG 24) <50 m cable length, encoder, 30 mA Terminal, connection capacity: 0.5 mm² (AWG 20) <100 m cable length, encoder, 30 mA Terminal, connection capacity: 0.5 mm² (AWG 20) <100 m cable length, encoder, 50 mA Terminal, connection capacity: 0.5 mm² (AWG 20) <50 m cable length, encoder, 50 mA Terminal, connection capacity: 0.75 mm² (AWG 18) <200 m cable length, encoder, 30 mA Terminal, connection capacity: 1 mm² (AWG 17) <200 m cable length, encoder, 50 mA
Net weight	0.2 kg

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