

Product datasheet

Specifications



RS232/RS485 converter ACE909-2 for Sepam series 20, 40, 60, 80

59648

Main

Range of product	Sepam series 80 NPP Sepam series 80 Sepam series 60 Sepam series 48 Sepam series 40 Sepam series 20
Device short name	ACE909-2

Complementary

Device connection	Converter protocol: CEI 60870-5-103 interface: 1 port RS232 Converter protocol: DNP3 interface: 1 port RS232 Converter protocol: Modbus RTU interface: 1 port RS232 To Sepam protocol: CEI 60870-5-103 interface: 1 port RS485 2-wire To Sepam protocol: distributed power supply RS485 interface: 1 port RS485 2-wire To Sepam protocol: DNP3 interface: 1 port RS485 2-wire To Sepam protocol: Modbus RTU interface: 1 port RS485 2-wire
Data format	11 bits : 1 start, 8 data, 1 parity, 1 stop
Transmission delay	< 100 ns
Local signalling	LED for energized (front face) LED for Rx activity (front face) LED for Tx activity (front face)
[Us] rated supply voltage	110...220 V AC 47...63 Hz tolerance: +/- 10 %
Overcurrent protection	0.2...0.79 x In 1 A rating
Distributed supply voltage	Number of Sepam interfaces: 12 at 12 V DC Number of Sepam interfaces: 12 at 24 V DC
Mounting mode	Fixed
Mounting support	Symmetrical DIN rail Asymmetrical DIN rail
Height	105 mm
Width	105 mm
Depth	65 mm
Net weight	0.28 kg
Auxiliary connection terminal	Power supply: screw-type connector 2.5 mm ² RS232 link: screw-type connector 2.5 mm ² <10 m RS485 link: screw-type connector 9 pin(s) 2 cable(s)

Environment

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Electromagnetic compatibility	1 MHz damped oscillating wave: , 0.5 kV differential mode, conforming to IEC 60255-22-1 1 MHz damped oscillating wave: , 1 kV common mode, conforming to IEC 60255-22-1 1.2/50 µs impulse waves: , 1 kV differential mode, conforming to 60255-5 1.2/50 µs impulse waves: , 3 kV common mode, conforming to 60255-5 Fast transient bursts, 5 ns: , 1 kV with direct coupling in differential mode, conforming to IEC 60255-22-4 Fast transient bursts, 5 ns: , 2 kV with direct coupling in common mode, conforming to IEC 60255-22-4 Fast transient bursts, 5 ns: , 4 kV with capacitive coupling in common mode, conforming to IEC 60255-22-4
Ambient air temperature for operation	-5...55 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.0 cm
Package 1 Width	13.0 cm
Package 1 Length	14.5 cm
Package 1 Weight	407.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.597 kg

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 Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
Take-back	Nej