



### Main

Range of product	Sepam series 48 Sepam series 80 NPP Sepam series 40 Sepam series 80 Sepam series 20 Sepam series 60
Device short name	ACE949-2

### Complementary

Communication port protocol	Modbus RTU network: E-LAN interface: RS485 - 2-wire Modbus RTU network: S-LAN interface: RS485 - 2-wire
Local signalling	LED for link activity on front face
[Us] rated supply voltage	12 V DC tolerance: +/- 10 % 24 V DC tolerance: +/- 10 %
Supply current	40 mA : maximum in sending mode 16 mA : receiving mode
Mounting mode	Fixed
Mounting support	Symmetrical DIN rail
Height	88 mm
Width	72 mm
Depth	30 mm
Product weight	0.1 kg
Mechanical robustness	Earthquakes in operation ( level: 2 ) : 1 Gn (vertical axes) conforming to IEC 60255-21-3 Earthquakes in operation ( level: 2 ) : 2 Gn (horizontal axes) conforming to IEC 60255-21-3 Jolts de-energized ( level: 2 ) : 20 Gn/16 ms conforming to IEC 60255-21-2 Shocks de-energized ( level: 2 ) : 27 Gn/11 ms conforming to IEC 60255-21-2 Shocks in operation ( level: 2 ) : 10 Gn/11 ms conforming to IEC 60255-21-2 Vibrations de-energized ( level: 2 ) : 2 Gn, 10 Hz...150 Hz conforming to IEC 60255-21-1 Vibrations in operation ( level: 2 ) : 1 Gn, 10 Hz...150 Hz conforming to IEC 60255-21-1 Vibrations in operation ( level: Fc ) : 2 Hz...13.2 Hz, a = +/- 1 mm conforming to IEC 60068-2-6
Cable distance between devices	10 Devices 180 m cable length at 12 V DC 10 Devices 750 m cable length at 24 V DC 20 Devices 160 m cable length at 12 V DC

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

	20 Devices 450 m cable length at 24 V DC 25 Devices 125 m cable length at 12 V DC 25 Devices 375 m cable length at 24 V DC 5 Devices 1000 m cable length at 24 V DC 5 Devices 320 m cable length at 12 V DC
Auxiliary connection terminal	Earthing terminal : screw-type connector tinned copper braid 6...100 mm <sup>2</sup> Earthing terminal : screw-type connector cable 2.5...50 mm <sup>2</sup> 0.2 m
Tightening torque	Earthing terminal : 2.2 N.m

## Environment

Electromagnetic compatibility	1 MHz damped oscillating wave immunity tests-conducted disturbances (2.5 kV CM, 1 kV DM ) conforming to IEC 60255-22-1 1 MHz damped oscillating wave immunity tests-conducted disturbances (2.5 kV CM, 2.5 kV DM ) conforming to ANSI C37.90.1 100 kHz damped oscillating wave immunity tests-conducted disturbances (2.5 kV CM, 1 kV DM ) conforming to IEC 61000-4-12 Conducted disturbance emission emission tests conforming to IEC 60255-25 Conducted disturbance emission emission tests: A conforming to EN 55022 Disturbing field emission emission tests conforming to IEC 60255-25 Disturbing field emission emission tests: A conforming to EN 55022 Electrostatic discharge immunity tests-radiated disturbances (8 kV air, 4 kV contact ) conforming to ANSI C37.90.3 Electrostatic discharge immunity tests-radiated disturbances (8 kV air, 6 kV contact ) conforming to IEC 60255-22-2 Fast transient bursts immunity tests-conducted disturbances (4kV, 2.5 kHz ) conforming to ANSI C37.90.1 Fast transient bursts immunity tests-conducted disturbances: A and B (4kV, 2.5 kHz/2 kV, 5 kHz ) conforming to IEC 60255-22-4 Fast transient bursts immunity tests-conducted disturbances: IV (4kV, 2.5 kHz ) conforming to IEC 61000-4-4 Immunity to conducted RF disturbances immunity tests-conducted disturbances: III (10 V ) conforming to IEC 60255-22-6 Immunity to magnetic fields at network frequency immunity tests-radiated disturbances: IV (30 A/m (continuous)-300 A/m (1-3 s ) ) conforming to IEC 61000-4-8 Immunity to radiated fields immunity tests-radiated disturbances (10 V/m, 80 MHz...1 GHz ) conforming to IEC 60255-22-3 Immunity to radiated fields immunity tests-radiated disturbances (35 V/m, 25 MHz...1 GHz ) conforming to ANSI C37.90.2 Immunity to radiated fields immunity tests-radiated disturbances: III (10 V/m, 80 MHz...2 GHz ) conforming to IEC 61000-4-3 Surges immunity tests-conducted disturbances: III (2 kV CM, 1 kV DM ) conforming to IEC 61000-4-5 Voltage interruptions immunity tests-conducted disturbances (100 % during 100 ms ) conforming to IEC 60255-11
Climatic withstand	Exposure to cold (in operation) : Ad: - 25 °C conforming to IEC 60068-2-1 Exposure to dry heat (in operation) : Bd: 70 °C conforming to IEC 60068-2-2 Continuous exposure to damp heat (in operation) : Cab: 10 days, 93 % RH, 40 °C conforming to IEC 60068-2-78 Salt mist (in operation) : Kb/2: 6 days conforming to IEC 60068-2-52 Influence of corrosion/gaz test 2 (in operation) : 21 days, 75 % RH, 25 °C, 0.5 ppm H2S, 1 ppm SO2 conforming to IEC 60068-2-60 Influence of corrosion/gaz test 4 (in operation) : 21 days, 75 % RH, 25 °C, 0.01 ppm H2S, 0.2 ppm SO2, 0.2 ppm NO2, 0.01 ppm Cl2 conforming to IEC 60068-2-60 Temperature variation with specified variation rate (in storage) : Nb: - 25 °C to 70 °C, 5 °C/min conforming to IEC 60068-2-14 Exposure to cold (in storage) : Ab: - 25 °C conforming to IEC 60068-2-1 Exposure to dry heat (in storage) : Bb: 70 °C conforming to IEC 60068-2-2 Continuous exposure to damp heat (in storage) : Cab: 56 days, 93 % RH, 40 °C conforming to IEC 60068-2-78 Continuous exposure to damp heat (in storage) : Db: 6 days, 95 % RH, 55 °C conforming to IEC 60068-2-30
Ambient air temperature for operation	-25...70 °C

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0926 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>

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Product environmental profile	Available <a href="#">Product environmental</a>
Product end of life instructions	Available

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