



### Main

Range of product	Sepam series 20 Sepam series 40 Sepam series 80 Sepam series 48 Sepam series 80 NPP Sepam series 60
Device short name	ACE937
Optic fiber type	Graded-index multimode silica wavelength: 820 nm connector(s): ST (BFOC bayonet fiber optic connector)

### Complementary

Communication port protocol	Modbus RTU network: E-LAN interface: fiber optic ST - star Modbus RTU network: S-LAN interface: fiber optic ST - star
Local signalling	LED for link activity on front face
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 ) : 30 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
Optic fiber length	1800 m diameter: 62.5/125 µm numerical aperture: 0.275 attenuation: 3.2 dB optical power (dBm) 9.4 2600 m diameter: 200 µm numerical aperture: 0.37 attenuation: 6 dB optical power (dBm) 19.2 2800 m diameter: 100/140 µm numerical aperture: 0.3 attenuation: 4 dB optical power (dBm) 14.9 700 m diameter: 50/125 µm numerical aperture: 0.2 attenuation: 2.7 dB optical power (dBm) 5.6

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

## Environment

Electromagnetic compatibility	<p>1 MHz damped oscillating wave immunity tests-conducted disturbances (2.5 kV MC and MD ) conforming to ANSI C37.90.1</p> <p>1 MHz damped oscillating wave immunity tests-conducted disturbances: III (2.5 kV MC, 1 kV MD ) conforming to IEC 60255-22-1</p> <p>100 kHz damped oscillating wave immunity tests-conducted disturbances (2.5 kV MC, 1 kV MD ) conforming to IEC 61000-4-12</p> <p>Conducted disturbance emission tests conforming to IEC 60255-25</p> <p>Conducted disturbance emission tests: B conforming to EN 55022</p> <p>Disturbing field emission tests conforming to IEC 60255-25</p> <p>Disturbing field emission tests: A conforming to EN 55022</p> <p>Electrostatic discharge immunity tests-radiated disturbances (8 kV air, 4 kV contact ) conforming to ANSI C37.90.3</p> <p>Electrostatic discharge immunity tests-radiated disturbances (8 kV air, 6 kV contact ) conforming to IEC 60255-22-2</p> <p>Fast transient bursts immunity tests-conducted disturbances (4kV, 2.5 kHz ) conforming to ANSI C37.90.1</p> <p>Fast transient bursts immunity tests-conducted disturbances: A or B (4kV, 2.5 kHz/2 kV, 5 kHz ) conforming to IEC 60255-22-4</p> <p>Fast transient bursts immunity tests-conducted disturbances: IV (4kV, 2.5 kHz ) conforming to IEC 61000-4-4</p> <p>Immunity to conducted RF disturbances immunity tests-conducted disturbances (10 V ) conforming to IEC 60255-22-6</p> <p>Immunity to magnetic fields at network frequency immunity tests-radiated disturbances: IV (30 A/m (continuous)-300 A/m (13 s ) ) conforming to IEC 61000-4-8</p> <p>Immunity to radiated fields immunity tests-radiated disturbances (10 V/m, 80 MHz...1 GHz ) conforming to IEC 60255-22-3</p> <p>Immunity to radiated fields immunity tests-radiated disturbances (35 V/m, 25 MHz...1 GHz ) conforming to ANSI C37.90.2 (1995)</p> <p>Immunity to radiated fields immunity tests-radiated disturbances: III (10 V/m, 80 MHz...2 GHz ) conforming to IEC 61000-4-3</p> <p>Surges immunity tests-conducted disturbances: III (2 kV MC, 1 kV MD ) conforming to IEC 61000-4-5</p> <p>Voltage interruptions immunity tests-conducted disturbances (100 % , 10 ms ) conforming to IEC 60255-11</p>
Climatic withstand	<p>Continuous exposure to damp heat (in operation) : Ca: 10 days, 93 % RH, 40 °C (104 °F) conforming to IEC 60068-2-3</p> <p>Temperature variation with specified variation rate (in operation) : Nb: - 25 °C to 70 °C (- 13 °F to 158 °F) 5 °C/min (41 °F/min) conforming to IEC 60068-2-14</p> <p>Salt mist (in operation) : Kb/2 conforming to IEC 60068-2-52</p> <p>Influence of corrosion/gaz test 2 (in operation) : C: 21 days, 75 % RH, 25 °C (- 13 °F), 0.5 ppm H2S, 1 ppm SO2 conforming to IEC 60068-2-60</p> <p>Influence of corrosion/gaz test 4 (in operation) : 21 days, 75 % RH, 25 °C, 0.01 ppm H2S, 0.2 ppm SO2, 0.02 ppm NO2, 0.01 ppm Cl2 conforming to IEC 60068-2-60</p> <p>Exposure to cold (in storage) : Ab: - 25 °C (- 13 °F) conforming to IEC 60068-2-1</p> <p>Exposure to dry heat (in storage) : Bb: 70 °C (158 °F) conforming to IEC 60068-2-2</p> <p>Continuous exposure to damp heat (in storage) : Ca: 56 days, 93 % RH, 40 °C (104 °F) conforming to IEC 60068-2-3</p> <p>Exposure to cold (in operation) : Ab: - 25 °C (- 13 °F) conforming to IEC 60068-2-1</p> <p>Exposure to dry heat (in operation) : Bb: 70 °C (158 °F) conforming to IEC 60068-2-2</p>
Ambient air temperature for operation	-25...70 °C

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0938 - 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>
Product environmental profile	Available <a href="#">Product environmental</a>
Product end of life instructions	Available