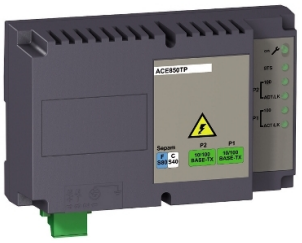
Product datasheet

Specifications



2 Ethernet ports interface 100BASE-FX, ACE850FO for Sepam series 40, 60, 80

59659

Main

Range of product	Sepam series 80 NPP Sepam series 60 Sepam series 80 Sepam series 40
Device short name	ACE850FO
Optic fiber type	Multi mode wavelength: 1300 nm connector(s): SC

Complementary

Communication port protocol	ARP network: S-LAN and E-LAN interface: 2 Ethernet ports 100BASE-FX FTP network: S-LAN and E-LAN interface: 2 Ethernet ports 100BASE-FX HTTP network: S-LAN and E-LAN interface: 2 Ethernet ports 100BASE-FX IEC 61850 network: S-LAN and E-LAN interface: 2 Ethernet ports 100BASE-FX Modbus RTU network: S-LAN and E-LAN interface: 2 Ethernet ports 100BASE-FX Modbus TCP/IP network: S-LAN and E-LAN interface: 2 Ethernet ports 100BASE-FX RSTP 801.1d 2004 network: S-LAN and E-LAN interface: 2 Ethernet ports 100BASE-FX SNMP network: S-LAN and E-LAN interface: 2 Ethernet ports 100BASE-FX SNTP network: S-LAN and E-LAN interface: 2 Ethernet ports 100BASE-FX
Local signalling	Green LED1 for energized (front face) Green LED2 for communication status ok (front face) Green LED3 for port 2 Ethernet 100 Mbit/s (front face) Green LED4 flashing for port 2 Ethernet sending data and receiving data (front face) Green LED5 for port 1 Ethernet 100 Mbit/s (front face) Green LED6 flashing for port 1 Ethernet sending data and receiving data (front face) Red LED1 flashing for not set up or not base-unit connected (front face) Red LED1 off for de-energized (front face) Red LED1 remains ON for fault (front face)
[Us] rated supply voltage	110...240 V AC tolerance: - 20...10 % 24...250 V DC tolerance: - 20...10 %
Mounting mode	Fixed
Mounting support	Symmetrical DIN rail
Height	127 mm
Width	171 mm
Depth	58 mm
Product weight	0.4 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	2000 m diameter: 50/125 µm optical power (dBm) -14 2000 m diameter: 62.5/125 µm optical power (dBm) -14
Auxiliary connection terminal	Protective earth: screw-type connector 1 pin(s) 1 cable(s) wire 2.5 mm² <3 m Functional earth: ring lug 1 pin(s) 1 cable(s) 4 mm² Supply: screw-type connector 2 pin(s) 1 cable(s) wire 0.2…2.5 mm² Supply: screw-type connector 2 pin(s) 1 cable(s) wire 1.5 mm² Supply: screw-type connector 2 pin(s) 1 cable(s) wire 2.5 mm² Supply: screw-type connector 2 pin(s) 2 cable(s) wire 0.2…1 mm² Supply: screw-type connector 2 pin(s) 2 cable(s) wire 1 mm²
Wire stripping length	Supply: 8 mm

Environment

Electromagnetic compatibility	1 MHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV MC and MD, conforming to ANSI C37.90.1 1 MHz damped oscillating wave: (immunity tests-conducted disturbances), III, 2.5 kV MC, 1 kV MD, conforming to IEC 60255-22-1 100 kHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV MC, 1 kV MD, conforming to IEC 61000-4-12 Conducted disturbance emission: (emission tests), conforming to IEC 60255-25 Conducted disturbance emission: (emission tests), B, 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 or 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), 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 (13 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 (1995) 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 MC, 1 kV MD, conforming to IEC 61000-4-5 Voltage interruptions: (immunity tests-conducted disturbances), 100 %, 10 ms, conforming to IEC 60255-11

Climatic withstand	Influence of corrosion/gaz test 4 (in operation) : 21 days, 75 % RH, 25 °C, 0.01 ppm H2S, 0.2 ppm S02, 0.02 ppm NO2, 0.01 ppm Cl2 conforming to IEC 60068-2-60 Continuous exposure to damp heat (in operation) : Ca: 10 days, 93 % RH, 40 °C (104 °F) conforming to IEC 60068-2-3 Continuous exposure to damp heat (in storage) : Ca: 56 days, 93 % RH, 40 °C (104 °F) conforming to IEC 60068-2-3 Exposure to cold (in operation) : Ab: - 25 °C (- 13 °F) conforming to IEC 60068-2-1 Exposure to cold (in storage) : Ab: - 25 °C (- 13 °F) conforming to IEC 60068-2-1 Exposure to dry heat (in operation) : Bb: 70 °C (158 °F) conforming to IEC 60068-2-2 Exposure to dry heat (in storage) : Bb: 70 °C (158 °F) conforming to IEC 60068-2-2 Influence of corrosion/gaz test 2 (in operation) : C: 21 days, 75 % RH, 25 °C (- 13 °F), 0.5 ppm H2S, 1 ppm S02 conforming to IEC 60068-2-60 Salt mist (in operation) : Kb/2 conforming to IEC 60068-2-52 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
Ambient air temperature for operation	-25…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	17.0 cm
Package 1 Length	20.0 cm
Package 1 Weight	744.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.83 kg

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

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
China RoHS Regulation	China RoHS declaration

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No