Product datasheet

Specifications

2 Ethernet ports interface 10/100BASE-TX, ACE850TP for Sepam series 40, 60, 80

59658

Main

Range Of Product	Sepam series 40 Sepam series 80 NPP Sepam series 60 Sepam series 80
Device Short Name	ACE850TP

Complementary

Communication Port Protocol	ARP network: S-LAN and E-LAN interface: 2 Ethernet ports 10/100BASE-TX FTP network: S-LAN and E-LAN interface: 2 Ethernet ports 10/100BASE-TX HTTP network: S-LAN and E-LAN interface: 2 Ethernet ports 10/100BASE-TX IEC 61850 network: S-LAN and E-LAN interface: 2 Ethernet ports 10/100BASE-TX Modbus RTU network: S-LAN and E-LAN interface: 2 Ethernet ports 10/100BASE-TX Modbus TCP/IP network: S-LAN and E-LAN interface: 2 Ethernet ports 10/100BASE-TX RSTP 801.1d 2004 network: S-LAN and E-LAN interface: 2 Ethernet ports 10/100BASE-TX SNMP network: S-LAN and E-LAN interface: 2 Ethernet ports 10/100BASE-TX SNTP network: S-LAN and E-LAN interface: 2 Ethernet ports 10/100BASE-TX
Local Signalling	Green LED1 for energized (front face) Green LED2 for communication status ok (front face) Green LED3 off for port 2 Ethernet 10 Mbit/s (front face) Green LED3 on 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 off for port 1 Ethernet 10 Mbit/s (front face) Green LED5 on 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
Net Weight	0.4 kg

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

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
Maximum Cable Distance Between Devices	<100 m
Auxiliary Connection Terminal	Functional earth: ring lug 1 pin(s) 1 cable(s) tinned copper braid 4 mm² Protective earth: screw-type connector 1 pin(s) 1 cable(s) wire 2.5 mm² <3 m Supply: screw-type connector 3 pin(s) 1 cable(s) wire 0.5…2.5 mm² Supply: screw-type connector 3 pin(s) 1 cable(s) wire 1.5 mm² Supply: screw-type connector 3 pin(s) 1 cable(s) wire 2.5 mm² Supply: screw-type connector 3 pin(s) 2 cable(s) wire 0.5…1 mm² Supply: screw-type connector 3 pin(s) 2 cable(s) wire 1 mm² Supply: screw-type connector 4 pin(s) 1 cable(s) wire 0.5…2.5 mm² Supply: screw-type connector 4 pin(s) 1 cable(s) wire 1.5 mm² Supply: screw-type connector 4 pin(s) 1 cable(s) wire 2.5 mm² Supply: screw-type connector 4 pin(s) 2 cable(s) wire 0.5…1 mm² Supply: screw-type connector 4 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	9.800 cm
Package 1 Width	16.700 cm
Package 1 Length	19.800 cm
Package 1 Weight	706.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	6
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.733 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	48
Package 3 Height	44.500 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	49.784 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information