

# 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
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Device short name	ACE850TP
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### 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
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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)
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[Us] rated supply voltage	110...240 V AC tolerance: - 20...10 % 24...250 V DC tolerance: - 20...10 %
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Mounting mode	Fixed
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Mounting support	Symmetrical DIN rail
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Height	127 mm
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Width	171 mm
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Depth	58 mm
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Net weight	0.4 kg
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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

<b>Mechanical robustness</b>	<p>Earthquakes in operation (level: 2) : 1 Gn (vertical axes) conforming to IEC 60255-21-3</p> <p>Earthquakes in operation (level: 2) : 2 Gn (horizontal axes) conforming to IEC 60255-21-3</p> <p>Jolts de-energized (level: 2) : 20 Gn/16 ms conforming to IEC 60255-21-2</p> <p>Shocks de-energized (level: 2) : 30 Gn/11 ms conforming to IEC 60255-21-2</p> <p>Shocks in operation (level: 2) : 10 Gn/11 ms conforming to IEC 60255-21-2</p> <p>Vibrations de-energized (level: 2) : 2 Gn, 10 Hz...150 Hz conforming to IEC 60255-21-1</p> <p>Vibrations in operation (level: 2) : 1 Gn, 10 Hz...150 Hz conforming to IEC 60255-21-1</p> <p>Vibrations in operation (level: Fc) : 2 Hz...13.2 Hz, a = +/- 1 mm conforming to IEC 60068-2-6</p>
<b>Maximum cable distance between devices</b>	<100 m
<b>Auxiliary connection terminal</b>	<p>Functional earth: ring lug 1 pin(s) 1 cable(s) tinned copper braid 4 mm<sup>2</sup></p> <p>Protective earth: screw-type connector 1 pin(s) 1 cable(s) wire 2.5 mm<sup>2</sup> &lt;3 m</p> <p>Supply: screw-type connector 3 pin(s) 1 cable(s) wire 0.5...2.5 mm<sup>2</sup></p> <p>Supply: screw-type connector 3 pin(s) 1 cable(s) wire 1.5 mm<sup>2</sup></p> <p>Supply: screw-type connector 3 pin(s) 1 cable(s) wire 2.5 mm<sup>2</sup></p> <p>Supply: screw-type connector 3 pin(s) 2 cable(s) wire 0.5...1 mm<sup>2</sup></p> <p>Supply: screw-type connector 3 pin(s) 2 cable(s) wire 1 mm<sup>2</sup></p> <p>Supply: screw-type connector 4 pin(s) 1 cable(s) wire 0.5...2.5 mm<sup>2</sup></p> <p>Supply: screw-type connector 4 pin(s) 1 cable(s) wire 1.5 mm<sup>2</sup></p> <p>Supply: screw-type connector 4 pin(s) 1 cable(s) wire 2.5 mm<sup>2</sup></p> <p>Supply: screw-type connector 4 pin(s) 2 cable(s) wire 0.5...1 mm<sup>2</sup></p> <p>Supply: screw-type connector 4 pin(s) 2 cable(s) wire 1 mm<sup>2</sup></p>
<b>Wire stripping length</b>	Supply: 8 mm

## Environment

<b>Electromagnetic compatibility</b>	<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: (emission tests), conforming to IEC 60255-25</p> <p>Conducted disturbance emission: (emission tests), B, conforming to EN 55022</p> <p>Disturbing field emission: (emission tests), conforming to IEC 60255-25</p> <p>Disturbing field emission: (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>
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<b>Climatic withstand</b>	<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>Continuous exposure to damp heat (in operation) : Ca: 10 days, 93 % RH, 40 °C (104 °F) conforming to IEC 60068-2-3</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 cold (in storage) : 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> <p>Exposure to dry heat (in storage) : Bb: 70 °C (158 °F) conforming to IEC 60068-2-2</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>Salt mist (in operation) : Kb/2 conforming to IEC 60068-2-52</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>
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<b>Ambient air temperature for operation</b>	-25...70 °C
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## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	9.800 cm
<b>Package 1 Width</b>	16.700 cm
<b>Package 1 Length</b>	19.800 cm
<b>Package 1 Weight</b>	706.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	4.733 kg
<b>Unit Type of Package 3</b>	P12
<b>Number of Units in Package 3</b>	48
<b>Package 3 Height</b>	44.500 cm
<b>Package 3 Width</b>	80.000 cm
<b>Package 3 Length</b>	120.000 cm
<b>Package 3 Weight</b>	49.784 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**

EU RoHS Directive **Pro-active compliance (Product out of EU RoHS legal scope)**

REACH Regulation [REACH Declaration](#)

China RoHS Regulation [China RoHS declaration](#)

## Use Again

### Repack and remanufacture

[Circularity Profile](#) [End of Life Information](#)

Take-back **No**