



Main

Range of product	Sepam series 80
Device short name	SEP888
User machine interface type	Mimic-based

Complementary

UMI indication	Logipam data Metering and diagnosis data Version of Sepam and remote modules Main protection settings Phasor diagram of currents or voltages Status of logic inputs Switchgear status on the animated mimic diagram List of activated protection functions Alarms and operating messages
UMI control	Alarm acknowledgement Output testing Device open/close order Sepam reset Selection of Sepam control mode
Display resolution	128 x 240 pixels
Number of key	14
Local signalling	2 LEDs for Sepam operating status (back part) 2 LEDs for Sepam operating status (front face) 9 LEDs for indication of parameters (front face)
Output type	Annunciation relay: 100...240 V AC 47.5...63 Hz continuous current: 2 A breaking capacity: 1 A $\cos \varphi > 0.3$ Annunciation relay: 127 V DC continuous current: 2 A breaking capacity: 0.5 A L/R < 20 ms Annunciation relay: 220 V DC continuous current: 2 A breaking capacity: 0.15 A L/R < 20 ms Annunciation relay: 24 V DC continuous current: 2 A breaking capacity: 2 A L/R < 20 ms Annunciation relay: 48 V DC continuous current: 2 A breaking capacity: 1 A L/R < 20 ms Control relay: 100...240 V AC 47.5...63 Hz continuous current: 8 A breaking capacity: 5 A $\cos \varphi > 0.3$ making capacity: < 15 A for 200 ms Control relay: 100...240 V AC 47.5...63 Hz continuous current: 8 A breaking capacity: 8 A resistive making capacity: < 15 A for 200 ms Control relay: 127 V DC continuous current: 8 A breaking capacity: 0.2 A L/R < 40 ms making capacity: < 15 A for 200 ms Control relay: 127 V DC continuous current: 8 A breaking capacity: 0.5 A L/R < 20 ms making capacity: < 15 A for 200 ms Control relay: 127 V DC continuous current: 8 A breaking capacity: 0.7 A resistive making capacity: < 15 A for 200 ms

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

Control relay: 220 V DC continuous current: 8 A breaking capacity: 0.1 A L/R < 40 ms making capacity: < 15 A for 200 ms
Control relay: 220 V DC continuous current: 8 A breaking capacity: 0.2 A L/R < 20 ms making capacity: < 15 A for 200 ms
Control relay: 220 V DC continuous current: 8 A breaking capacity: 0.3 A resistive making capacity: < 15 A for 200 ms
Control relay: 24 V DC continuous current: 8 A breaking capacity: 4 A L/R < 40 ms making capacity: < 15 A for 200 ms
Control relay: 24 V DC continuous current: 8 A breaking capacity: 6 A L/R < 20 ms making capacity: < 15 A for 200 ms
Control relay: 24 V DC continuous current: 8 A breaking capacity: 8 A resistive making capacity: < 15 A for 200 ms
Control relay: 48 V DC continuous current: 8 A breaking capacity: 1 A L/R < 40 ms making capacity: < 15 A for 200 ms
Control relay: 48 V DC continuous current: 8 A breaking capacity: 2 A L/R < 20 ms making capacity: < 15 A for 200 ms
Control relay: 48 V DC continuous current: 8 A breaking capacity: 4 A resistive making capacity: < 15 A for 200 ms

[Us] rated supply voltage	24/250 V DC tolerance: - 20...10 % maximum consumption: < 16 W
Supply inrush current	< 10 A for 10 ms at 24/250 V DC
Battery type	Lithium 3.6 V size: 1/2 AA
Battery life	10 year(s) (Sepam energized) 8 year(s) (Sepam not energized)
Mounting mode	Fixed
Mounting support	Plate
Height	222 mm
Width	264 mm
Depth	89.7 mm
Net weight	4.22 kg
Power frequency dielectric withstand	2 kV during 1 min conforming to IEC 60255-5 1 kV (indication output) during 1 min conforming to ANSI C37.90 1.5 kV (control output) during 1 min conforming to ANSI C37.90
[Uimp] rated impulse withstand voltage	5 kV (1.2/50 µs) conforming to IEC 60255-5
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

Environment

Standards	UL 508 CSA C22.2 No 0.17-00 EN 50263 CSA C22.2 No 14-95 CSA C22.2 No 94-M91
Product certifications	C22.2 file N° 210625 CE UL 508 file N° 212533
Fire resistance	650 °C conforming to IEC 60695-2-11
IP degree of protection	Other panels: IP20 conforming to IEC 60529 Front panel: IP52 conforming to IEC 60529
NEMA degree of protection	Type 12 conforming to NEMA
Immunity to microbreaks	100 ms
Electromagnetic compatibility	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 (13 s), conforming to IEC 61000-4-8 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 MD, conforming to IEC 61000-4-5
 Conducted disturbance emission: (emission tests), conforming to IEC 60255-25
 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
 Immunity to radiated fields: (immunity tests-radiated disturbances), 10 V/m, 80 MHz...1 GHz, conforming to IEC 60255-22-3
 1 MHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV CM, 1 kV MD, conforming to IEC 60255-22-1
 1 MHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV CM, 2.5 kV MD, conforming to ANSI C37.90.1
 100 kHz damped oscillating wave: (immunity tests-conducted disturbances), 2.5 kV CM, 1 kV MD, conforming to IEC 61000-4-12
 Conducted disturbance emission: (emission tests), A, conforming to EN 55022
 Immunity to radiated fields: (immunity tests-radiated disturbances), 35 V/m, 25 MHz...1 GHz, conforming to ANSI C37.90.2
 Voltage interruptions: (immunity tests-conducted disturbances), 100 % during 100 ms, conforming to IEC 60255-11

Climatic withstand	<p>Continuous exposure to damp heat (in operation) : Cab: 10 days, 93 % RH, 40 °C conforming to IEC 60068-2-78 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 Exposure to cold (in operation) : Ad: - 25 °C conforming to IEC 60068-2-1 Exposure to cold (in storage) : Ab: - 25 °C conforming to IEC 60068-2-1 Exposure to dry heat (in operation) : Bd: 70 °C conforming to IEC 60068-2-2 Exposure to dry heat (in storage) : Bb: 70 °C conforming to IEC 60068-2-2 Salt mist (in operation) : Kb/2: 6 days conforming to IEC 60068-2-52 Temperature variation with specified variation rate (in storage) : Nb: - 25 °C to 70 °C, 5 °C/min conforming to IEC 60068-2-14 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</p>
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	3.347 kg
Package 1 Height	18.5 cm
Package 1 width	28.5 cm
Package 1 Length	36 cm
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Weight	10.732 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm
Unit Type of Package 3	P12
Number of Units in Package 3	12
Package 3 Weight	52.164 kg
Package 3 Height	80 cm
Package 3 width	80 cm
Package 3 Length	120 cm

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
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Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
