Product datasheet

Specifications





base unit SEP383 for Sepam series 80 - 24...250 V - with advanced UMI

59704

! Discontinued on: 14 Mar 2022

! To be discontinued

Main

Range Of Product	Sepam series 80
Device Short Name	SEP383
User Machine Interface Type	Advanced
Complementary	
Umi Indication	Status of logic inputs Logipam data Metering and diagnosis data Main protection settings Version of Sepam and remote modules

List of activated protection functions Alarms and operating messages

Umi Control

Alarm acknowledgement
Output testing
Sepam reset

Display Resolution

128 x 64 pixels

Number Of Key
9

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: 100240 V AC 47.563 Hz continuous current: 2 A breaking
Опфил туре	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: 100240 V AC 47.563 Hz continuous current: 8 A breaking capacity: 5 A $\cos \phi > 0.3$ making capacity: < 15 A for 200 ms
	Control relay: 100240 V AC 47.563 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
	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: - 2010 % 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
Vidth	264 mm
Depth	89.7 mm
Net Weight	3.62 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 Hz150 Hz conforming to IEC 60255-21-1 Vibrations in operation (level: 2): 1 Gn, 10 Hz150 Hz conforming to IEC
	60255-21-1 Vibrations in operation (level: Fc) : 2 Hz13.2 Hz, a = +/- 1 mm conforming to IEC 60068-2-6

Environment

CSA C22.2 No 14-95 CSA C22.2 No 94-M91 EN 50263
E14 00200
CSA C22.2 No 0.17-00
UL 508
UL 508 file N° 212533
CE
C22.2 file N° 210625
650 °C conforming to IEC 60695-2-11
Other panels: IP20 conforming to IEC 60529
Front panel: IP52 conforming to IEC 60529
Type 12 conforming to NEMA
100 ms
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
MHz2 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), conforming to EC 0023-23 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
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 S02 conforming to IEC 60068-2-60
Influence of corrosion/gaz test 4 (in operation) : 21 days, 75 % RH, 25 °C, 0.01 ppm

Packing Units

Unit Type Of Package 1

PCE

Number Of Units In Package 1	1
Package 1 Height	19.000 cm
Package 1 Width	28.500 cm
Package 1 Length	36.000 cm
Package 1 Weight	3.000 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	3
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	9.727 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	12
Package 3 Height	50.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	51.388 kg



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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



Rohs Exemption Information

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