



Main

Commercial Status	Commercialised
Range of product	Sepam series 20
Device short name	S10UX
User machine interface type	Without

Complementary

UMI control	Alarm acknowledgement Sepam reset
Display resolution	128 x 64
Number of key	1
Local signalling	9 LEDs for indication of parameters on front face 2 LEDs for Sepam operating status on front face
Output type	Control relay: 48 V DC continuous current: 8 A breaking capacity: 4 A resistive 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: 1 A L/R < 40 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: 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: 4 A L/R < 40 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: 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: 0.1 A L/R < 40 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: 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: 0.2 A L/R < 40 ms 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: 100...240 V AC 47.5...63 Hz continuous current: 8 A breaking capacity: 5 A cos φ > 0.3 making capacity: < 15 A for 200 ms Annunciation relay: 48 V DC continuous current: 2 A breaking capacity: 1 A L/R < 20 ms Annunciation relay: 24 V DC continuous current: 2 A breaking capacity: 2 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: 127 V DC continuous current: 2 A breaking capacity: 0.5 A L/R < 20 ms Annunciation relay: 100...240 V AC 47.5...63 Hz continuous current: 2 A breaking capacity: 1 A cos φ > 0.3
[Us] rated supply voltage	24/250 V DC tolerance: - 20...10 % deactivated consumption: < 4.5 W maximum consumption: < 8 W 110/240 V AC 47.5...63 Hz tolerance: - 20...10 % deactivated consumption: < 6 VA maximum consumption: < 15 VA

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Supply inrush current	< 15 A at 110/240 V AC < 10 A for 10 ms at 24/250 V DC
Mounting mode	Fixed
Mounting support	Plate
Height	222 mm
Width	176 mm
Depth	129 mm
Product weight	1.2 kg
Power frequency dielectric withstand	2 kV during 1 min conforming to IEC 60255-5
[Uimp] rated impulse withstand voltage	5 kV (1.2/50 µs) conforming to IEC 60255-5
Mechanical robustness	Vibrations in operation (level: Fc) : 2 Hz...13.2 Hz, a = +/- 1 mm conforming to IEC 60068-2-6 Vibrations in operation (level: 2) : 1 Gn, 10 Hz...150 Hz conforming to IEC 60255-21-1 Vibrations de-energized (level: 2) : 2 Gn, 10 Hz...150 Hz conforming to IEC 60255-21-1 Shocks in operation (level: 2) : 10 Gn/11 ms conforming to IEC 60255-21-2 Shocks de-energized (level: 2) : 30 Gn/11 ms conforming to IEC 60255-21-2 Jolts de-energized (level: 2) : 20 Gn/16 ms conforming to IEC 60255-21-2 Earthquakes in operation (level: 2) : 2 Gn (horizontal axes) conforming to IEC 60255-21-3 Earthquakes in operation (level: 2) : 1 Gn (vertical axes) conforming to IEC 60255-21-3

Environment

Standards	CSA C22.2 No 0.17-00 CSA C22.2 No 14-95 CSA C22.2 No 94-M91 EN 50263 UL 508
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	IP52 conforming to IEC 60529 front panel IP20 conforming to IEC 60529 other panels
NEMA degree of protection	Type 12 conforming to NEMA
Immunity to microbreaks	10 ms

Electromagnetic compatibility	<p>Voltage interruptions immunity tests-conducted disturbances (100 %, 10 ms) conforming to IEC 60255-11</p> <p>Surges immunity tests-conducted disturbances: III (2 kV MC, 1 kV MD) conforming to IEC 61000-4-5</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>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 (10 V/m, 80 MHz...1 GHz) conforming to IEC 60255-22-3</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 conducted RF disturbances immunity tests-conducted disturbances (10 V) conforming to IEC 60255-22-6</p> <p>Fast transient bursts immunity tests-conducted disturbances: IV (4kV, 2.5 kHz) conforming to IEC 61000-4-4</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 (4kV, 2.5 kHz) conforming to ANSI C37.90.1</p> <p>Electrostatic discharge immunity tests-radiated disturbances (8 kV air, 6 kV contact) conforming to IEC 60255-22-2</p> <p>Electrostatic discharge immunity tests-radiated disturbances (8 kV air, 4 kV contact) conforming to ANSI C37.90.3</p> <p>Disturbing field emission tests: A conforming to EN 55022</p> <p>Disturbing field emission tests conforming to IEC 60255-25</p> <p>Conducted disturbance emission tests: B conforming to EN 55022</p> <p>Conducted disturbance emission tests conforming to IEC 60255-25</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>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>1 MHz damped oscillating wave immunity tests-conducted disturbances (2.5 kV MC and MD) conforming to ANSI C37.90.1</p>
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Climatic withstand	<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> <p>Salt mist (in operation) : Kb/2 conforming to IEC 60068-2-52</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>Exposure to dry heat (in storage) : Bb: 70 °C (158 °F) conforming to IEC 60068-2-2</p> <p>Exposure to dry heat (in operation) : Bb: 70 °C (158 °F) conforming to IEC 60068-2-2</p> <p>Exposure to cold (in storage) : Ab: - 25 °C (- 13 °F) conforming to IEC 60068-2-1</p> <p>Exposure to cold (in operation) : Ab: - 25 °C (- 13 °F) conforming to IEC 60068-2-1</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>Continuous exposure to damp heat (in operation) : Ca: 10 days, 93 % RH, 40 °C (104 °F) conforming to IEC 60068-2-3</p> <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>
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RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	0943