



### Main

Range of product	Sepam series 80 Sepam series 80 NPP Sepam series 60
Device short name	MCS025

### Complementary

Number of outputs	3 relay
Output type	<p>Relay: 100...240 V AC 47.5...63 Hz continuous current: 2 A breaking capacity: 5 A <math>\cos \varphi &gt; 0.3</math></p> <p>Relay: 100...240 V AC 47.5...63 Hz continuous current: 8 A breaking capacity: 5 A <math>\cos \varphi &gt; 0.3</math> making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 100...240 V AC 47.5...63 Hz continuous current: 8 A breaking capacity: 8 A resistive making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 127 V DC continuous current: 2 A breaking capacity: 0.5 A L/R &lt; 20 ms</p> <p>Relay: 127 V DC continuous current: 8 A breaking capacity: 0.2 A L/R &lt; 40 ms making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 127 V DC continuous current: 8 A breaking capacity: 0.5 A L/R &lt; 20 ms making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 127 V DC continuous current: 8 A breaking capacity: 0.7 A resistive making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 220 V DC continuous current: 2 A breaking capacity: 0.15 A L/R &lt; 20 ms</p> <p>Relay: 220 V DC continuous current: 8 A breaking capacity: 0.1 A L/R &lt; 40 ms making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 220 V DC continuous current: 8 A breaking capacity: 0.2 A L/R &lt; 20 ms making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 220 V DC continuous current: 8 A breaking capacity: 0.3 A resistive making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 24 V DC continuous current: 2 A breaking capacity: 2 A L/R &lt; 20 ms</p> <p>Relay: 24 V DC continuous current: 8 A breaking capacity: 4 A L/R &lt; 40 ms making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 24 V DC continuous current: 8 A breaking capacity: 6 A L/R &lt; 20 ms making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 24 V DC continuous current: 8 A breaking capacity: 8 A resistive making capacity: &lt; 15 A for 200 ms</p> <p>Relay: 48 V DC continuous current: 2 A breaking capacity: 1 A L/R &lt; 20 ms</p>

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

Relay: 48 V DC continuous current: 8 A breaking capacity: 1 A L/R < 40 ms making capacity: < 15 A for 200 ms  
 Relay: 48 V DC continuous current: 8 A breaking capacity: 2 A L/R < 20 ms making capacity: < 15 A for 200 ms  
 Relay: 48 V DC continuous current: 8 A breaking capacity: 4 A resistive making capacity: < 15 A for 200 ms

[Us] rated supply voltage	10...240 V AC 47.5...63 Hz tolerance: - 20 %...+ 0 % deactivated consumption: 9 VA 24...250 V DC tolerance: - 10...10 % deactivated consumption: 6 W
Supply inrush current	< 10 A for 10 ms at 24...250 V DC < 15 A at 110...240 V AC
Mounting mode	Fixed
Mounting support	Mounting plate
Height	222 mm
Width	176 mm
Depth	121 mm
Net weight	1.35 kg
Power frequency dielectric withstand	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 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	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	EN 50263 UL 508 CSA C22.2 No 14-95 CSA C22.2 No 0.17-00 CSA C22.2 No 94-M91
Product certifications	UL 508 file N° 212533 CE C22.2 file N° 210625
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	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), conforming to IEC 60255-25 Conducted disturbance emission: (emission tests), A, 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 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), 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  
 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  
 Voltage interruptions: (immunity tests-conducted disturbances), 100 % during 100 ms, conforming to IEC 60255-11

Climatic withstand	<p>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          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: 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</p>
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## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	2.081 kg
Package 1 Height	28.4 cm
Package 1 width	19 cm
Package 1 Length	36 cm
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Weight	7 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	25 kg
Package 3 Height	45 cm
Package 3 width	80 cm
Package 3 Length	120 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>