Product data sheet

Specifications

synchro-check module MCS025 Sepam series 60, 80

59712

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	Relay: 100...240 V AC 47.5...63 Hz continuous current: 2 A breaking capacity: 5 A cos φ > 0.3 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 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 Relay: 127 V DC continuous current: 2 A breaking capacity: 0.5 A L/R < 20 ms Relay: 127 V DC continuous current: 8 A breaking capacity: 0.2 A L/R < 40 ms making capacity: < 15 A for 200 ms Relay: 127 V DC continuous current: 8 A breaking capacity: 0.5 A L/R < 20 ms making capacity: < 15 A for 200 ms Relay: 127 V DC continuous current: 8 A breaking capacity: 0.7 A resistive making capacity: < 15 A for 200 ms Relay: 220 V DC continuous current: 2 A breaking capacity: 0.15 A L/R < 20 ms Relay: 220 V DC continuous current: 8 A breaking capacity: 0.1 A L/R < 40 ms making capacity: < 15 A for 200 ms Relay: 220 V DC continuous current: 8 A breaking capacity: 0.2 A L/R < 20 ms making capacity: < 15 A for 200 ms Relay: 220 V DC continuous current: 8 A breaking capacity: 0.3 A resistive making capacity: < 15 A for 200 ms Relay: 24 V DC continuous current: 2 A breaking capacity: 2 A L/R < 20 ms Relay: 24 V DC continuous current: 8 A breaking capacity: 4 A L/R < 40 ms making capacity: < 15 A for 200 ms Relay: 24 V DC continuous current: 8 A breaking capacity: 6 A L/R < 20 ms making capacity: < 15 A for 200 ms Relay: 24 V DC continuous current: 8 A breaking capacity: 8 A resistive making capacity: < 15 A for 200 ms Relay: 48 V DC continuous current: 2 A breaking capacity: 1 A L/R < 20 ms 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	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 H2S, 0.2 ppm S02, 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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	28.400 cm
Package 1 Width	19.200 cm
Package 1 Length	35.800 cm
Package 1 Weight	2.038 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	6.944 kg

Unit Type Of Package 3	P12
Number Of Units In Package 3	12
Package 3 Height	42.500 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	24.972 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

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	Yes

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