Product data sheet
Characteristics

59722
I/O module MES120H - Sepam series 60, 80 - 14 inputs+ 6 outputs 110...125V DC

Main

Module type	Input/output module
Range of product	Sepam series 80 Sepam series 60
Device short name	MES120H

Complementary

Input/Output type	14 inputs + 6 outputs 110...125 V DC
Logic input number	14 : 110...125 V, limits: 88...150 V DC input current: 3 mA threshold tripping voltage: 82 V enhanced
Number of outputs	1 control relay output(s) 5 annunciation relay output(s)
Output type	Annunciation relay : 100...240 V AC 47.5...63 Hz continuous current: 2 A breaking capacity: 0.001 kA cos φ > 0.3 Annunciation relay : 127 V DC continuous current: 2 A breaking capacity: 0.0005 kA L/R < 20 ms Annunciation relay : 220 V DC continuous current: 2 A breaking capacity: 0.00015 kA L/R < 20 ms Annunciation relay : 24 V DC continuous current: 2 A breaking capacity: 0.002 kA L/R < 20 ms Annunciation relay : 250 V DC continuous current: 2 A breaking capacity: 0.0002 kA L/R < 20 ms Annunciation relay : 48 V DC continuous current: 2 A breaking capacity: 0.001 kA L/R < 20 ms Control relay : 100...240 V AC 47.5...63 Hz continuous current: 8 A breaking capacity: 0.005 kA cos φ > 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: 0.008 kA resistive making capacity: < 15 A for 200 ms Control relay : 127 V DC continuous current: 8 A breaking capacity: 0.0002 kA L/R < 40 ms making capacity: < 15 A for 200 ms Control relay : 127 V DC continuous current: 8 A breaking capacity: 0.0005 kA L/R < 20 ms making capacity: < 15 A for 200 ms Control relay : 127 V DC continuous current: 8 A breaking capacity: 0.0007 kA resistive making capacity: < 15 A for 200 ms Control relay : 220 V DC continuous current: 8 A breaking capacity: 0.0001 kA L/R < 40 ms making capacity: < 15 A for 200 ms Control relay : 220 V DC continuous current: 8 A breaking capacity: 0.0002 kA L/R < 20 ms making capacity: < 15 A for 200 ms Control relay : 220 V DC continuous current: 8 A breaking capacity: 0.0003 kA resistive making capacity: < 15 A for 200 ms Control relay : 24 V DC continuous current: 8 A breaking capacity: 0.004 kA L/R < 40 ms making capacity: < 15 A for 200 ms

	Control relay : 24 V DC continuous current: 8 A breaking capacity: 0.006 kA L/R < 20 ms making capacity: < 15 A for 200 ms Control relay : 24 V DC continuous current: 8 A breaking capacity: 0.008 kA resistive making capacity: < 15 A for 200 ms Control relay : 250 V DC continuous current: 8 A breaking capacity: 0.0002 kA resistive making capacity: < 15 A for 200 ms Control relay : 48 V DC continuous current: 8 A breaking capacity: 0.001 kA L/R < 40 ms making capacity: < 15 A for 200 ms Control relay : 48 V DC continuous current: 8 A breaking capacity: 0.002 kA L/R < 20 ms making capacity: < 15 A for 200 ms Control relay : 48 V DC continuous current: 8 A breaking capacity: 0.004 kA resistive making capacity: < 15 A for 200 ms
Height	170 mm
Width	40 mm
Depth	120 mm
Product weight	0.38 kg
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
Auxiliary connection terminal	Screw-type connectors 1 cable(s) 1.5 mm² Screw-type connectors 1 cable(s) 2.5 mm² Screw-type connectors 2 cable(s) 1 mm² Screw-type connectors 1 cable(s) 0.2...2.5 mm² Screw-type connectors 2 cable(s) 0.2...1 mm²

Environment

Electromagnetic compatibility	Fast transient bursts immunity tests-conducted disturbances : IV (4kV, 2.5 kHz) conforming to IEC 61000-4-4 Immunity to radiated fields immunity tests-radiated disturbances : III (10 V/m, 80 MHz...2 GHz) conforming to IEC 61000-4-3 Disturbing field emission emission tests : A conforming to EN 55022 Fast transient bursts immunity tests-conducted disturbances : A and B (4kV, 2.5 kHz/2 kV, 5 kHz) conforming to IEC 60255-22-4 Immunity to conducted RF disturbances immunity tests-conducted disturbances : III (10 V) conforming to IEC 60255-22-6 Conducted disturbance emission emission tests : A conforming to EN 55022 Immunity to magnetic fields at network frequency immunity tests-radiated disturbances : IV (30 A/m (continuous)-300 A/m (1-3 s)) conforming to IEC 61000-4-8 Surges immunity tests-conducted disturbances : III (2 kV CM, 1 kV DM) conforming to IEC 61000-4-5 1 MHz damped oscillating wave immunity tests-conducted disturbances (2.5 kV CM, 1 kV DM) conforming to IEC 60255-22-1 1 MHz damped oscillating wave immunity tests-conducted disturbances (2.5 kV CM, 2.5 kV DM) conforming to ANSI C37.90.1 100 kHz damped oscillating wave immunity tests-conducted disturbances (2.5 kV CM, 1 kV DM) conforming to IEC 61000-4-12 Conducted disturbance emission emission tests conforming to IEC 60255-25 Disturbing field emission emission tests conforming to IEC 60255-25 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 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	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 H2S, 0.2 ppm S02, 0.2 ppm NO2, 0.01 ppm CI2 conforming to IEC 60068-2-60

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0949 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available