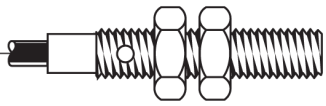
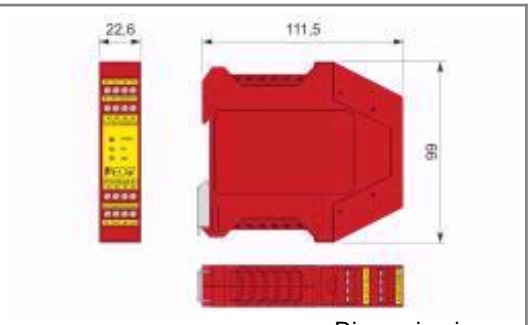
MORE THAN SENSORS



Part number: QMS000001 - Model: MS-ER MA R01 24

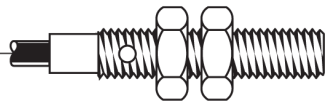


Dimension in mm

TECHNICAL CHARACTERISTICS	
Rated supply voltage (Un):	24 VAC/DC
Outputs function:	3NO+1NC
Performance Level (PL):	Up to PL e
Safety Integrity Level (SIL CL):	Up to SIL 3
Safety Category:	Up to category 4
MTTDd:	2-channel configuration: 156 years - 1-channel configuration: 77 years
Diagnostic Coverage (DC):	2-channel configuration: HIGH - 1-channel configuration: NONE
Service time:	20years according to EN ISO 13849-1
Conforming to standards:	EN60947-1, IEC60947-1, EN60947-5-1, IEC60947-5-1, EN60947-5-2, IEC60947-5-2, EN60947-5-3, IEC60947-5
Conforming to directive:	2006/42/CE-Direttiva Macchine e 2014/30/UE-Direttiva CEM
Approvals:	EC-Type Examination Certificate n° IMQ CR 475 DM
Rated supply voltage (Un):	24 VAC/DC
LED power supply (PWR):	RED color - If ON the power supply is present
Max current for input:	< 30 mA
Minimum duration of START impulse:	< 250 ms
Activation time:	< 150 ms
Releasing time:	< 15 ms
Simultaneity time:	Infinity
Short circuit protection:	PTC resistor, Ih=0.5 A
PTC time:	Operation for > 100 ms, Reset > 3 s
CH1 status indicator LED:	GREEN color -ON STATE if the channel 1 is operating
CH2 status indicator LED:	GREEN color -ON STATE if the channel 2 is operating
Output contacts:	3 NO safety contacts + 1 NC auxiliary contact
Output contacts type:	Forcibly guided
Output contacts material:	Gold-flashed Ag-Ni alloy
Output contacts max. swithing voltage :	250 VAC, 30 VDC
Output contacts max. swithing current:	6:00 AM
Output contacts free air thermal current :	6:00 AM
Output contacts protection fuse:	6 A tipo F

Output contacts max. swithing power:	1500 VA, 180 W
Output contacts utilization category:	AC15: Ue=230 V, Ie=3 A - DC13: Ue=24 V, Ie=3 A
Ambient temperature:	-25 °C ÷ +55 °C (Operating) / -25 °C ÷ +55 °C (Storage)
Mechanical endurance:	>10 million of cycles
Electrical endurance:	>100.000 cycles
Pollution degree:	3 (external) e 2 (Interno)
Rated impulse voltage (Uimp):	4 kV
Rated insulation voltage (Ui):	250 V
Overvoltage category:	III
Housing material:	Polyamide PA66 Vo class according to UL94
Protection degree:	IP40 (outside) e IP20 (inside)
Cable cross section:	0.2 ÷ 2.5 mq o 24 ÷ 12 AWG
Clemp Tightening torque:	0.5 ÷ 0.6 Nm
Dimensions:	22.5 x 99 x 111.5 mm
Weigth:	250g

MORE THAN SENSORS



Part number: QMS000001 - Model: MS-ER MA R01 24

AECO S.r.l. 20065 Inzago (MI) Italy - Via G. Leopardi, 5 - Tel. +39 02 954381 - Fax +39 02 9548528
http://www.aecosensors.com - e-mail: aeco@aecosensors.com