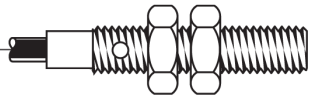
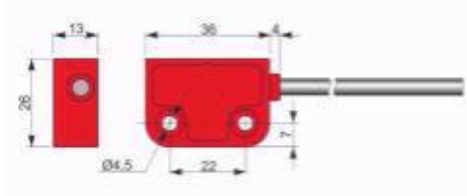
MORE THAN SENSORS



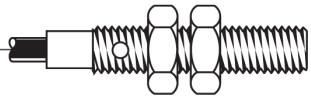
Part number: QMP000022 - Model: SMS36-P5 NO+NC CR LC5



Dimension in mm

TECHNICAL CHARACTERISTICS	
Rated operational voltage Ue:	24 Vac/dc
Rated operational current Ie:	0.25A
Max switching load:	6W (resistive load)
Function:	NO+NC (with magnetic actuator present)
Termal current ITh:	0.25A
Rated insulation voltage Ui:	120Vac
Rated impulse withstand voltage Uimp:	6KV
Electrical endurance:	1 million of cycles
Assured operating distance Sao:	5 mm with target AMS36-P5
Assured release distance Sar:	15mm with target AMS36-P5
Repeat accurancy:	< 10%
Switching distance:	200Hz
Response time:	
SIL level (SIL CL):	up to SIL3 according to IEC 62061 e EN 62061
Performance level (PL):	up to PL e according to EN ISO 13849-1
Safety category:	up to 4 according to EN ISO 13849-1
B10d for each channel:	400.000 cycles (full load: DC12, 24V, 0.25A) e 20.000.000 of cyles (with AECO safety Module)
Conformig to the standard:	EN 60947-1, IEC 60947-1, EN 60947-5-1, IEC 60947-5-1, EN 60947-5-2, IEC 60947-5-2, EN 60947-5-3 , IE
Conforms to the directives:	2006/42/EC - Machinery Directive and 2014/30/EU - Electromagnetic Compatibility Directive
Temperature limits:	-25 ÷ +80°C
Protection degree:	IP67
Pollution degree:	3
Schock resistance:	30gn -11ms according to IEC 60068-2-27 and EN 60068-2-27
Vibrations resistance:	10gn-(10 ... 150Hz) according to IEC 60068-2-6 and EN 60068-2-6
Cable type:	PVC 4x0.25mm2
Housing material:	PBT +FV

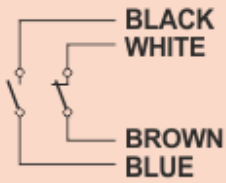
MORE THAN SENSORS



Part number: QMP000022 - Model: SMS36-P5 NO+NC CR LC5

WIRING DIAGRAM

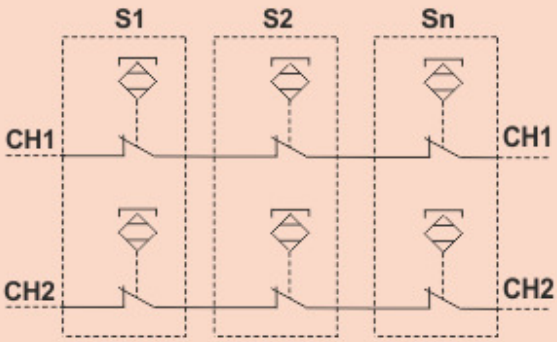
4 WIRES CABLE MODEL



NO+NC FUNCTION

INSTRUCTIONS FOR CORRECT INSTALLATION

CONNECTION OF MORE SENSORS TO SAFETY MODULE



It is possible connect in series more safety magnetic sensors to the module **MS-ER MA R01■**. The total resistance of the sensors and cables must not exceed the input resistance of the single channel of the safety module. With this technique you can realized circuits up on Category 3 according to ISO EN 13849-1.

S1, S2, ... Sn = Safety magnetic sensors
CH1= Input channel 1 of the Safety Module
CH2= Input channel 2 of the Safety Module

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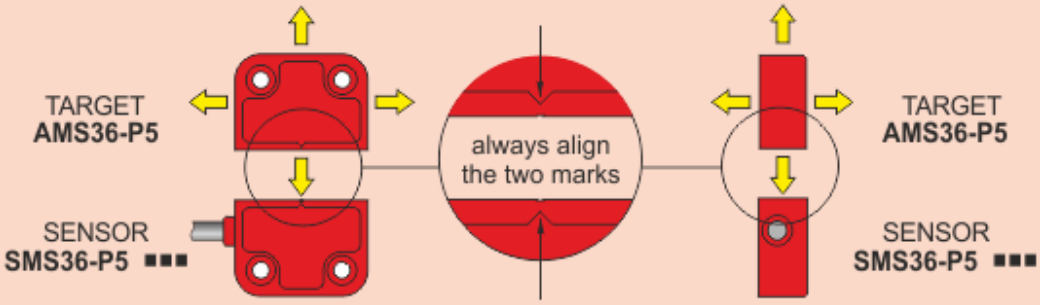
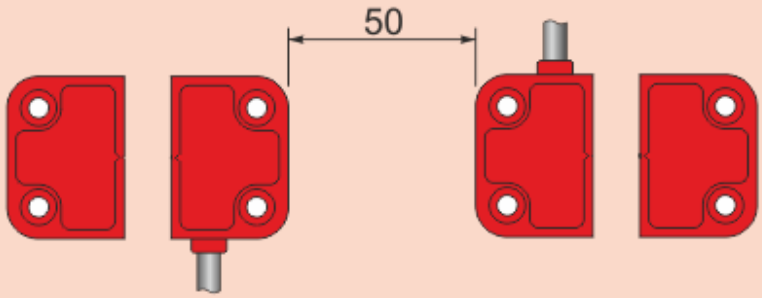
ACTUATING DIRECTIONS

The possible actuating directions are indicated of the arrows.

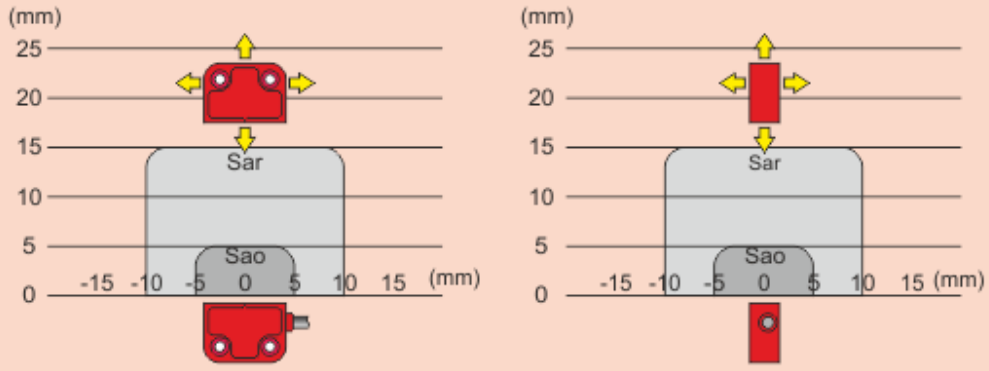


MULTIPLE SENSOR-ACTUATOR SYSTEMS ASSEMBLY



N.B. The minimum distance between ***sensor-actuator*** systems must be at least 50mm.

SWITHING DISTANCE



N.B. The drawing of the activation areas is indicative.

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