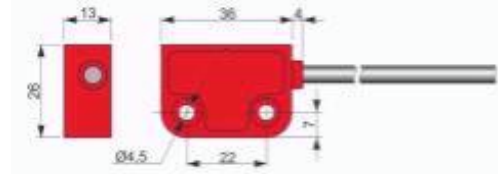


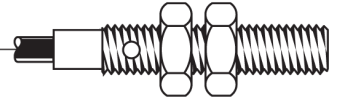
**Part number: QMP000001 - Model: SMS36-P5 2NC CR**



Dimension in mm

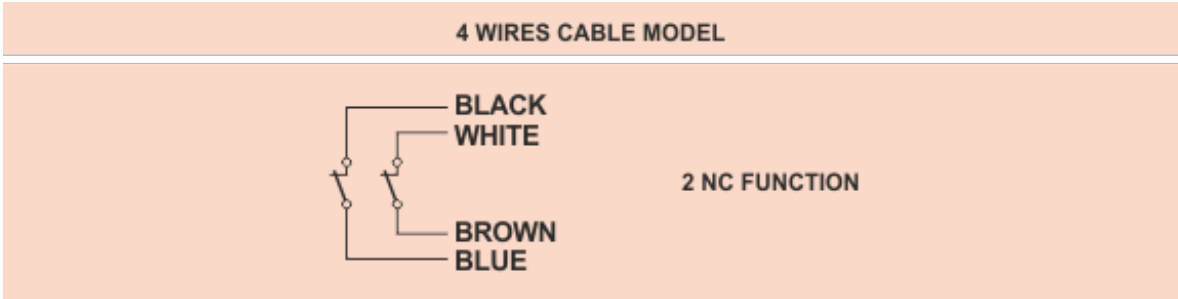
**TECHNICAL CHARACTERISTICS**

|                                       |  |
|---------------------------------------|--|
| Rated operational voltage Ue:         | 24 Vac/dc  |
| Rated operational current Ie:         | 0.25A  |
| Max switching load:                   | 6W (resistive load)  |
| Function:                             | 2NC (with magnetic actuator present)   |
| Thermal 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 accuracy:                      | < 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 cycles ( 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 4x0.25mm <sup>2</sup>  |
| Housing material:                     | PBT +FV  |

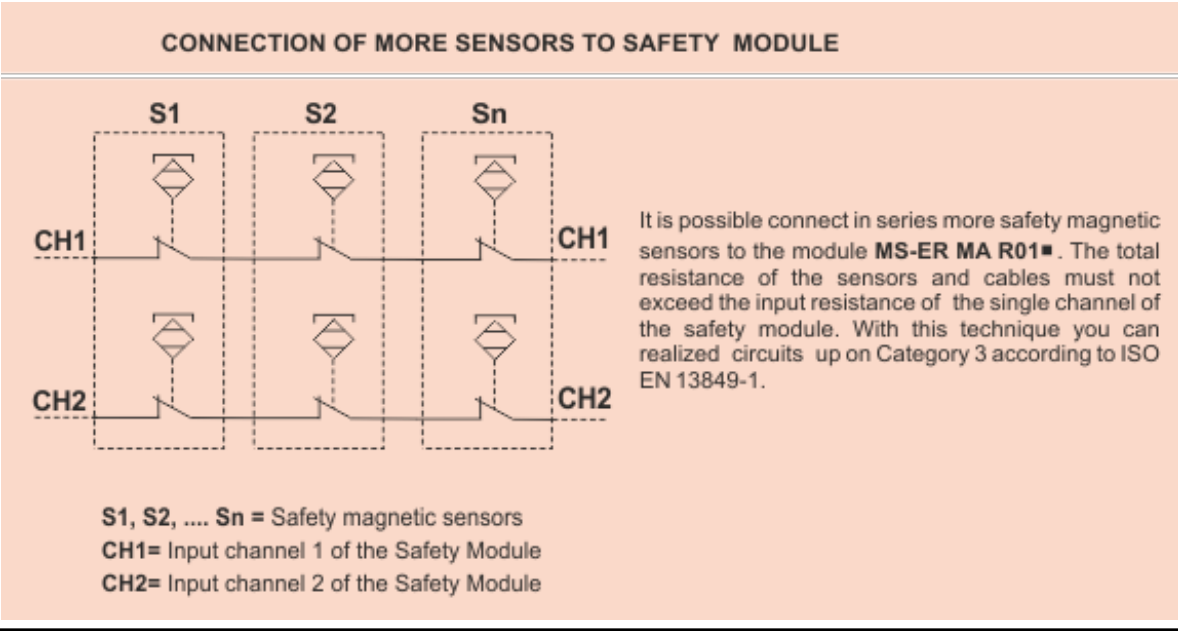


**Part number: QMP000001 - Model: SMS36-P5 2NC CR**

**WIRING DIAGRAM**



**INSTRUCTIONS FOR CORRECT INSTALLATION**



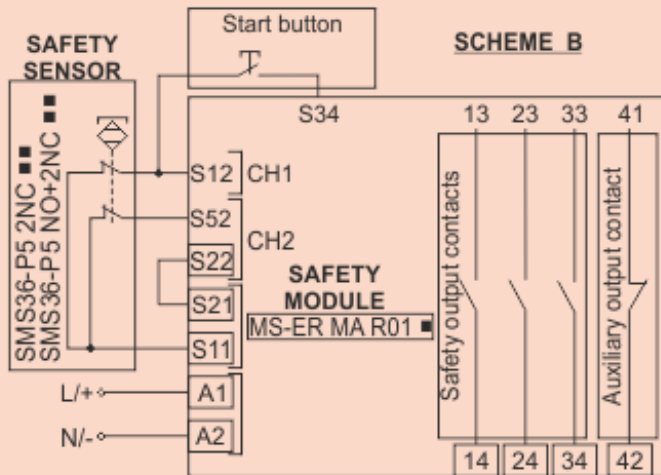
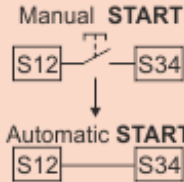
APPLICATIVE CONFIGURATION WITH AECO SAFETY MODULE MS-ER MA R01 ■ SERIES

2 CHANNELS CONFIGURATION WITH MANUAL START

Use models SMS36-P5 2NC ■■ or SMS36-P5 NO+2NC ■■ only

**SAFETY PARAMETER**  
 Integrity Level: SIL3  
 Performance Level: PLe  
 Category: 4

N.B. To realize a circuit with automatic start to replace the button with a jumper between terminals S12 and S34.



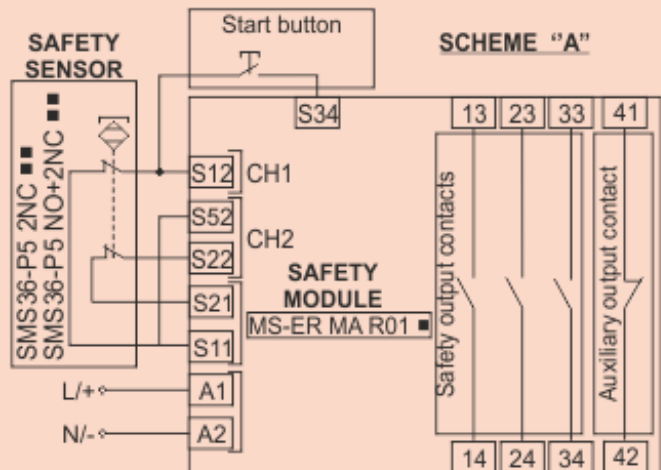
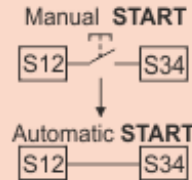
APPLICATIVE CONFIGURATION WITH AECO SAFETY MODULE MS-ER MA R01 ■ SERIES

2 CHANNELS CONFIGURATION WITH MANUAL START

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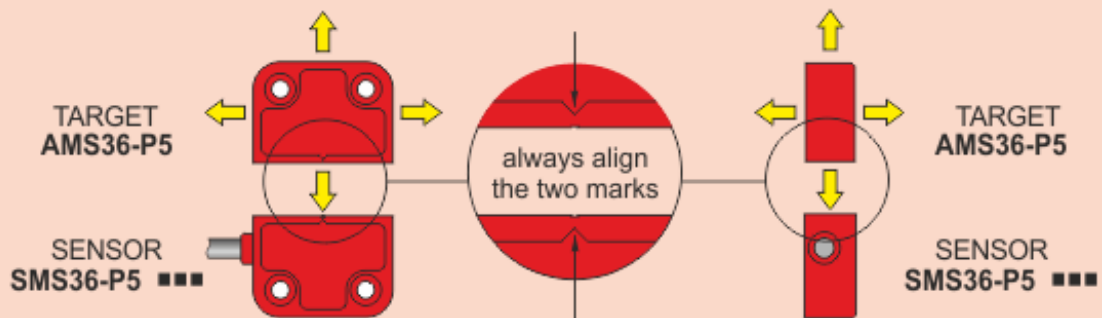
**SAFETY PARAMETER**  
 Integrity Level: SIL3  
 Performance Level: PLe  
 Category: 4

N.B. To realize a circuit with automatic start to replace the button with a jumper between terminals S12 and S34.

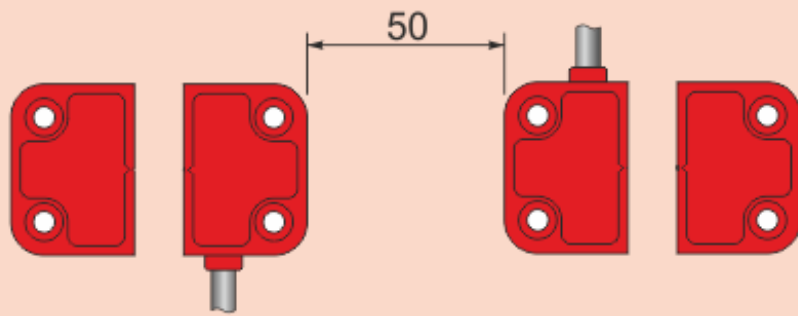


ACTUATING DIRECTIONS

The possible actuating directions are indicated of the arrows.

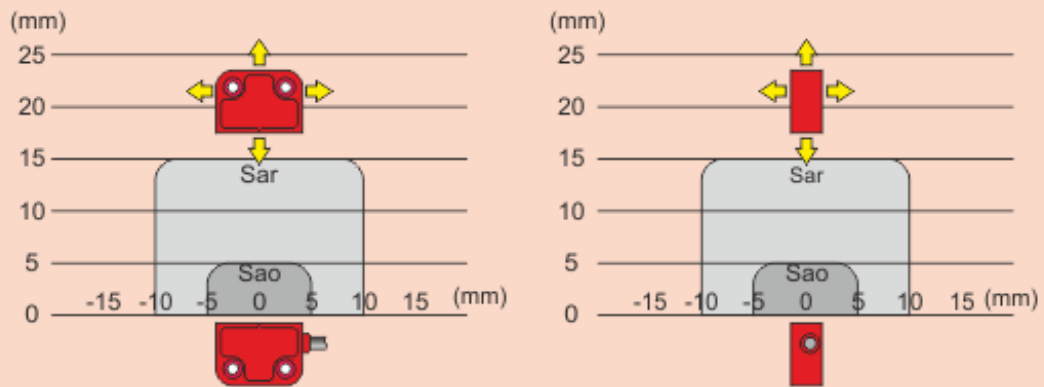


## MULTIPLE SENSOR-ACTUATOR SYSTEMS ASSEMBLY



**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.