



EN Operating instructions. page 1
Original

Destination and use

The RSS 36 safety sensor can be optionally used on safety guards in combination with the RST 16-1 actuators. The operating instructions of the safety sensor is to be considered.
Deviating or additional instructions for assembly position and switching distances are listed below.

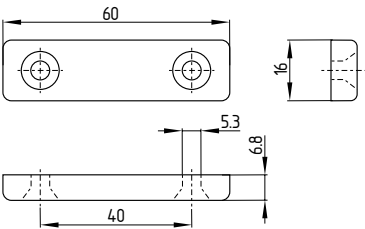
Mounting

During fitting, the requirements of EN ISO 14119 must be observed.

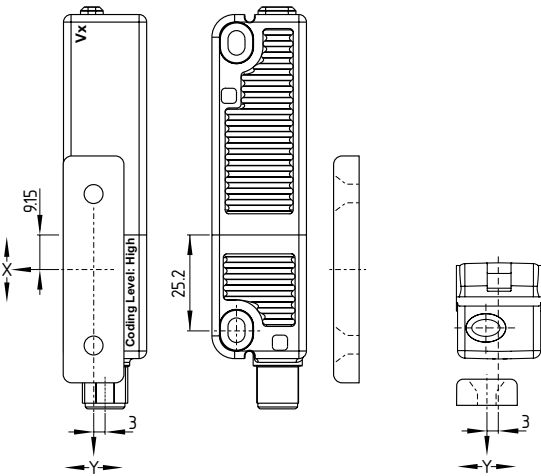
The mounting holes of the RST16-1 are to be fixed using M5 countersunk screws. The active areas of the safety sensor and the actuator have to face each other.

Dimensions Actuator RST 16-1

All measurements in mm.



Assembly position



Mounting instructions

When using the RST 16-1 actuator, the operating instructions of the RSS 36 safety sensor is applicable; in addition to that, the following instructions regarding the assembly position and the switching distances must be observed.

Switching distances to EN 60947-5-3:

Typical switching distance: 12 mm
Assured switching distance s_{ao} : 10 mm
Assured switch-off distance s_{ar} : 20 mm

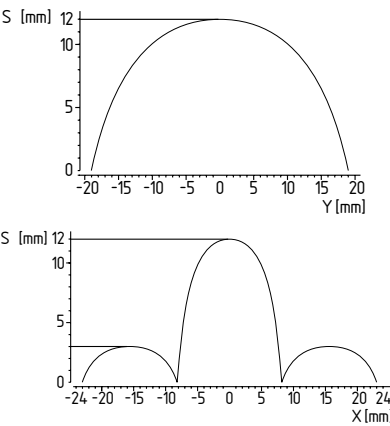


There are new switch distances as per the table below owing to the necessity of technical modifications (as of V2). Please check the design of your guard system following installation to ensure adherence to the secured switch distances ($\leq s_{ao}$ and $\geq s_{ar}$) in accordance with the specified values and adjust the guard system accordingly.
The positions of the designations Vx should be gleaned from the dimensional drawings.

Switching distances in mm to EN 60947-5-3		Actuator RST-16-1
Sensor RSS	s_{typ}	12
	s_{ao}	10
	s_{ar}	18
Sensor RSS as of V2	s_{typ}	12
	s_{ao}	10
	s_{ar}	20

Actuating curves

The actuating curves represent the typical switching distance of the safety sensor during the approach of the actuator subject to the actuating direction.



The axial misalignment (Y) is max. ± 18 mm. The height misalignment (X) is max. ± 8 mm. Avoid area of side lobes if lateral activated.

Comprehensive quality insurance to 2006/42/EC

Schmersal is a certified company to appendix X of the Machinery Directive. As a result, Schmersal is entitled to autonomously conduct the conformity assessment procedure for this combination of products listed in Appendix IV of the MD without involving a notified body.

More technical information can be found in the Schmersal online catalog on the Internet at products.schmersal.com.

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