



EN Operating instructions. page 1
Original

Purpose

The RSS 36 safety sensor can be optionally used on safety guards in combination with the RST 260-1 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

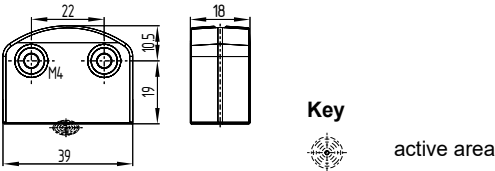
During fitting, the requirements of EN ISO 14119 must be observed.

The mounting hole of the RST260-1 provides a mounting by means M4 screws (max. tightening torque 0.8 Nm). The active areas of the safety sensor and the actuator have to face each other.

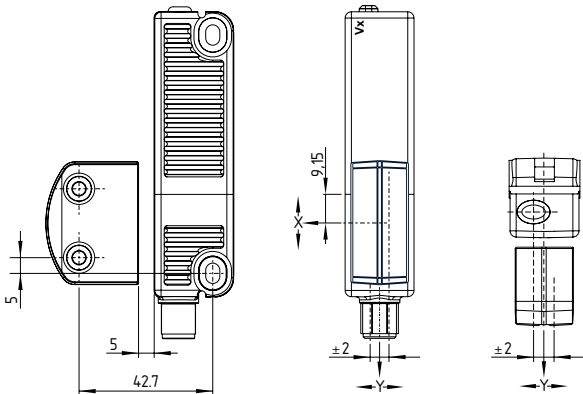
The actuator must be permanently fitted to the safety guards and protected against displacement by suitable measures (tamperproof screws, gluing, drilling, pinning).

Dimensions
All measurements in mm.

Actuator: RST260-1



Assembly position



Mounting instructions

When using the RST 260-1 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:

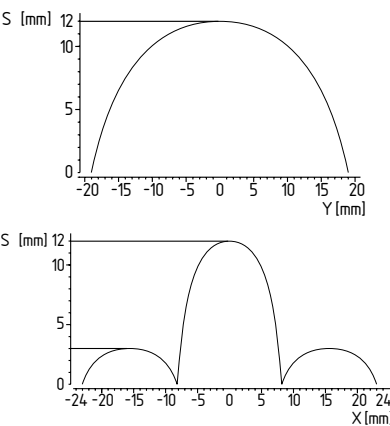
Typical switching distance: 12 mm
Assured switching distance s_{ao} : 10 mm
Assured switch-off distance s_{ar} : 20 mm

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 RST260-1
Sensor RSS 36	s_{typ}	12
	s_{ao}	10
	s_{ar}	18
Sensor RSS 36 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.

Further technical information can be found in the Schmersal online catalogue on the Internet: products.schmersal.com.

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