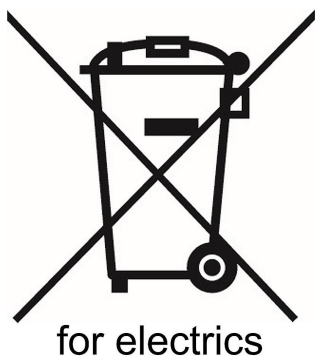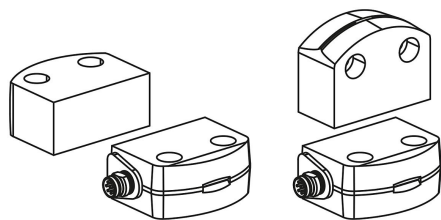## Item description/product images

for electrics

	with conventional diagnostic output	Pin assignment of the installation or cable connector M8/M12, 8-pole, A-coded
A1	U_e	1
X1	Safety input 1	2
A2	GND	3
Y1	Safety output 1	4
OUT	Diagnostic output	5
X2	Safety input 2	6
Y2	Safety output 2	7
IN	No function	8

Description

Material:
Housing thermoplastic.

Version:
Operating principle: RFID
Voltage type: DC (direct current).
Installation type: not flush.
Rating: IP67.

Note for ordering:
A matching actuator for the respective safety switch is required. The actuator must be ordered separately.

Note:
Safety switch with RFID technology for use on safety doors, safety covers and hatches. Opening the safety device automatically leads to a safe system shutdown.

The safety switch operates without contact via a RFID. The electronics are located in a fully encapsulated housing. Up to 31 sensors can be connected in series. Therefore, also suitable for systems where several safety doors are to be monitored.

The switched status is indicated by three LED's.
Yellow: Operating mode.
Green: Supply voltage.
Red: Error.

Certificates:
TÜV, cULus, EAC, FCC, IC.

Standards met:
ISO 13849-1, IEC 60947-5-3, EN62061, IEC 61508.

Type of operation:
83456-11182: Universal coding. The safety switch recognises any suitable actuator. ISO 14119 coding level low.

83456-21182: Individual coding, multi-programmable. To ensure that the actuator is recognised by the safety switch, they must be assigned to that safety switch by a teach-in process during commissioning. This allocation ensures a particularly high level of security against manipulation. ISO 14119 coding level high. The safety switch only recognises taught-in actuators. When a new actuator is taught-in, the code of the previous actuator is disabled.

Temperature range:
-25 °C to +65 °C.

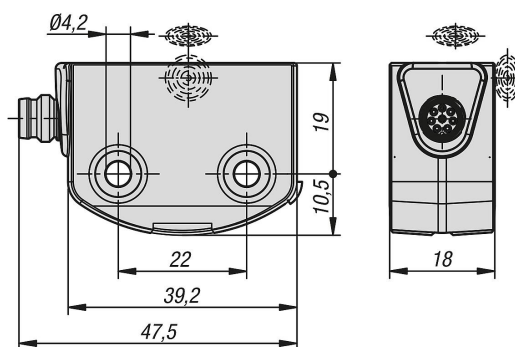**Accessory:**
Actuator for RFID coded safety switch 83456-10.

Safety:
Performance level, up to: e
Category acc. to EN 13849: 4
PFH value: 6.8 x 10-10/h
Safety integrity level (SIL), suitable in: 3

Drawings

Overview of items

Order No.	Version 2	LED Indicator Quantity	Operating voltage V DC	Operating current mA
83456-11182	Precision three-jaw chuck 34 mm, SWA5	3	Precision three-jaw chuck 50 mm	600
83456-21182	Precision three-jaw chuck 50 mm, SWA39	3	Precision three-jaw chuck 50 mm	600

Order No.	Switching frequency f (Hz)	No. of safe digital outputs	No. of semiconductor outputs with signalling function	Secured switching distance Sn front ON mm	Secured switching distance Sn front OFF mm
83456-11182	1	2	1	10	18
83456-21182	1	2	1	10	18

Order No.	Secured switching distance Sn side ON mm	Secured switching distance Sn side OFF mm	Switchng distance Sn front mm	Switching distance Sn side mm	Connection type	No. of poles
83456-11182	6	15	12	9	Pico clamp XRAY4 for XRS without SWA39 for 3D tripod holder	micorlube gl 261
83456-21182	6	15	12	9	Pico clamp XRAY4 for XRS without SWA39 for 3D tripod holder	micorlube gl 261