

## ITEM 100809 SGP-TW-1E-2131AC-M

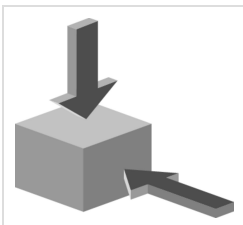
Description	Technical data	Accessories	Downloads
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### Features

- › Actuating heads made of metal
- › Simultaneous monitoring of two safety doors
- › Cable entry M20 x 1.5

### Approach direction



- › Figure  
Horizontal and vertical  
Can be adjusted in 90° steps

### Switching element

**2131** Slow-action switching contact 3 NC $\ominus$  + 1 NO

## Approvals



## Mechanical values and environment

Housing material	Reinforced thermoplastic
Weight	
Net	0,5 kg
Ambient temperature	-20 ... 80 °C
Degree of protection	IP67
Mechanical life	1 x 10 <sup>6</sup>
Contact material	Silver alloy, gold flashed
Switching principle	Slow-action switching contact
Installation position	Any
Number of door position positively driven contacts	3
Number of door position NO contacts	1
Connection	
	3 x M20 x 1.5
Approach speed	
max.	20 m/min
Actuation frequency	6700 1/h
Retention force	10 N
Extraction force	25 N
Actuating force	25 N
Insertion depth	24,5 mm

## Electrical connection ratings

Rated thermal current I <sub>th</sub>	4 A
Utilization category according to EN 60947-5-1	
AC-15	4A 230V
DC-13	4A 24V
Short circuit protection according to IEC 60269-1	
(Fuse)	4A gG
Rated insulation voltage U <sub>i</sub>	250 V
Rated impulse withstand voltage U <sub>imp</sub>	2,5 kV
Switching voltage	
Min. at 10mA	12 V
Switching current	
Min. at 24V	1 mA
Connection cross-section	0,34 ... 1,5 mm <sup>2</sup>

**Reliability values acc. to EN ISO 13849-1**

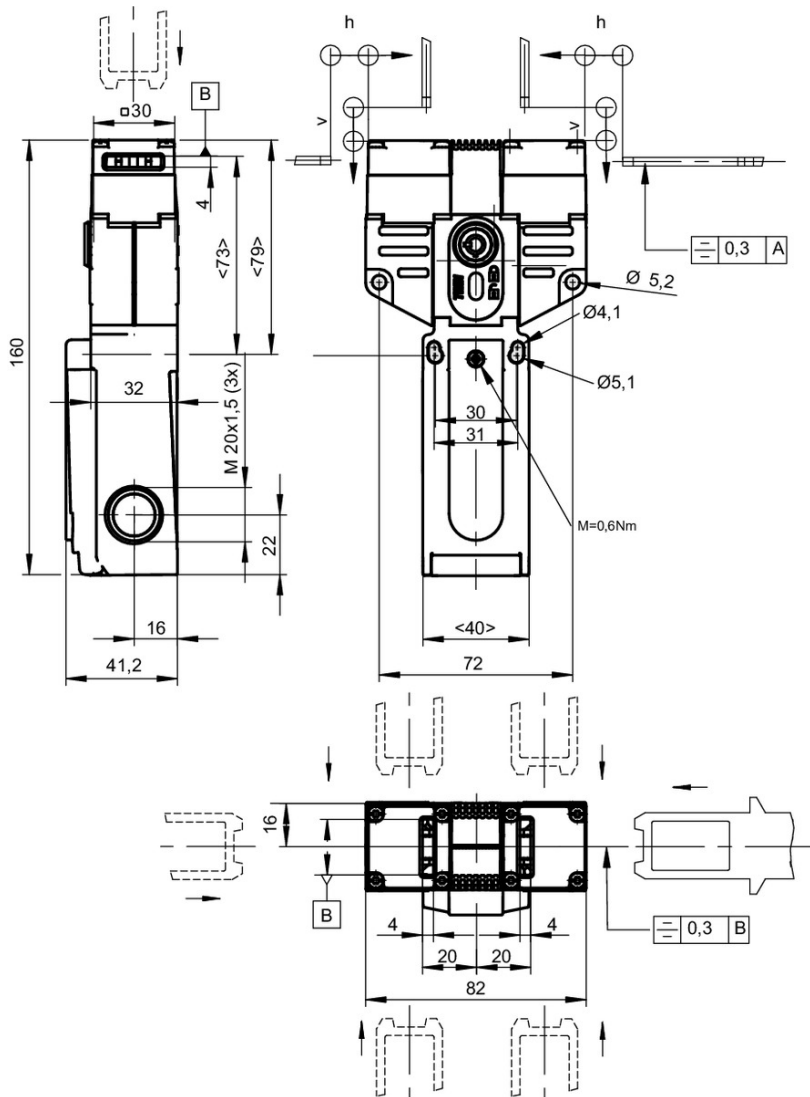
	<b>Monitoring of the safety guard position</b>
B10 <sub>D</sub>	$2 \times 10^6$

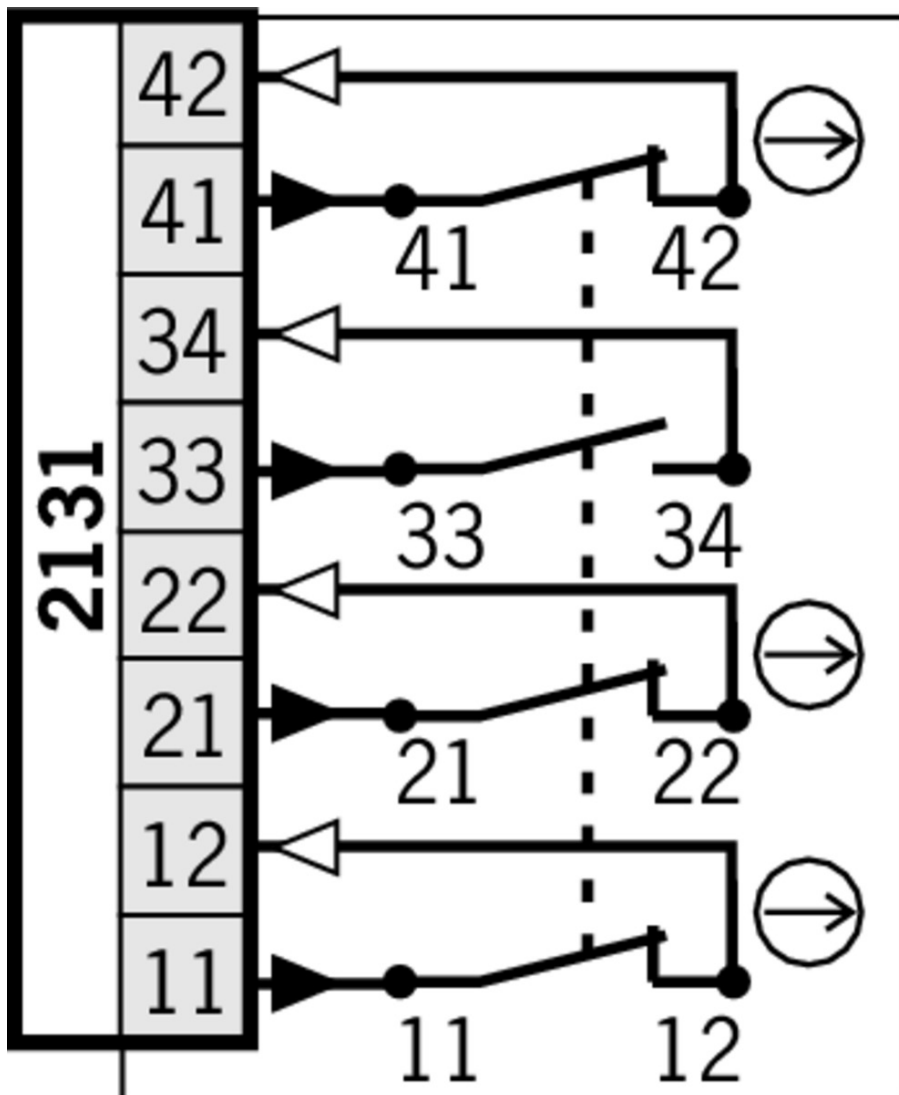
**in combination with Actuator BETAETIGER-S-GT-SN**

**Mechanical values and environment**

Overtravel	5 mm
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**Dimension drawing**





## Actuator

- ▼ Hinged actuator S left/right for safety switches SGA/SGP/STA/STP/STM



**096838** RADIUSBETAETIGER-S-LR-SN

- ▼ Features

- › Actuators made of stainless steel
- › Two safety screws included
- › For doors hinged on right and left

- ▼ Hinged actuator S top/bottom for safety switches SGA/SGP/STA/STP/STM



**095315** RADIUSBETAETIGER-S-OU-SN

- ▼ Features

- › Actuators made of stainless steel
- › Two safety screws included
- › For doors hinged at top and bottom

- ▼ Actuator S, bent, for safety switches SGA/SGP/STA/STP/STM



**095740** BETAETIGER-S-WQT-SN

▼ Features

- › Two safety screws included

- ▼ Actuator S for safety switches SGA/SGP/STA/STP/STM



**097861** BETAETIGER-S-G-SN-C2115

▼ Features

- › Two safety screws included
- › Physically compatible with TP actuator P-G



**095738** BETAETIGER-S-GT-SN

▼ Features

- › Two safety screws included
- › Actuators with rubber bushings

## Connection material

- ▼ Cable glands M20x1.5



**086233** EKPM20/06 086233

## Function expansion

- ▼ Lockout bar STA/STP/SGA/SGP/STM



**105701** SPERREINSATZ STP/STA

▼ Features

- › Prevents unintentional closing of the door
- › Can be secured with padlocks

## Instructions

- ▼ Betriebsanleitung Sicherheitsschalter SGP-TW... (Twin)

**Doc. no.** **Version** **Language** **Download**

Betriebsanleitung Sicherheitsschalter SGP-TW... (Twin)	100872	05-04/16		2.8 MB
Manual de instrucciones Interruptores de seguridad SGP-TW... (Twin)				
Mode d'emploi Interrupteur de sécurité SGP-TW... (Twin)				
Istruzioni di impiego Finecorsa di sicurezza SGP-TW... (Twin)				
Operating Instructions Safety Switch SGP-TW... (Twin)				

## Catalogs

- Bezpečnostní spínače s plastovým pouzdem Sicherheitsschalter mit Kunststoffgehäuse Safety Switches with Plastic Housing Interruptores de seguridad con carcasa plástica Interrupteurs de sécurité avec boîtier plastique 塑料壳体 的安全开关

	Doc. no.	Version	Language	Download
Sicherheitsschalter mit Kunststoffgehäuse	096955	11-03/18		6.6 MB
Interrupteurs de sécurité avec boîtier plastique	100677	11-03/18		6.6 MB
Interruptores de seguridad con carcasa plástica	104855	11-03/18		6.6 MB
Bezpečnostní spínače s plastovým pouzdem	121649	11-03/18		6.6 MB
Safety Switches with Plastic Housing	096956	11-03/18		6.6 MB
塑料壳体 的安全开关	116243	11-03/18		6.2 MB

## Declaration of conformity

- EU prohlášení o shodě

	Doc. no.	Version	Language	Download
EU-Konformitätserklärung Declaración UE de conformidad Déclaration UE de conformité Dichiarazione di conformità EU declaration of conformity	2077153	25-02/17	    	0.3 MB
EU prohlášení o shodě EU-overensstemmelseserklæring Δήλωση συμμόρφωσης της ΕΕ EU-vaatimustenmukaisuusvakuutus EU-típusbizonyítvány EU-conformiteitsverklaring Deklaracja zgodności UE Declaração de Conformidade UE Declarația de conformitate UE EÚ vyhlásenie o zhode	2077153	25-02/17	        	0.5 MB

## CAD data

CAD data for this item on TraceParts