ITEM 126040 STP3A-4141A024RC18C2448EXT9

Description	Technical data	Accessories	Downloads

Features

- Actuating head made of metal
- Escape release can be mounted on the rear
- 2 illuminated pushbuttons (green and blue)
- With door monitoring contact

Solenoid operating voltage

- AC/DC 24 V +10%, -15%

Pushbuttons

- Green pushbutton, illuminated
- Pushbutton blue, illuminated

Guard locking type

STP3 Closed-circuit current principle, guard locking by spring force. Release by applying voltage to the guard locking solenoid.

Switching element

4141 Slow-action switching contact 2 NC $\ominus$ + 2 NC $\ominus$ (door monitoring contacts)

Auxiliary release

Is used for releasing the guard locking with the aid of a tool. To protect against tampering, the auxiliary release is sealed with sealing lacquer.

Escape release

This is used for manual release of guard locking from within the danger area without tools.

Approvals

EAC

Mechanical values and environment

Housing material	Reinforced thermoplastic
Weight	
Net	0,5 kg
Ambient temperature	-20 ... 55 °C
Degree of protection	IP54
Mechanical life	1×10^{6}
Contact material	Silver alloy, gold flashed
Switching principle	Slow-action switching contact
Installation position	Any
Number of door position positively driven contacts	2
Number of guard lock monitoring positively driven contacts	2
Connection	
1 x	Built-in connector RC18 [1]
Approach speed	
max.	20 m/min
Actuation frequency	1200 1/h
Guard locking principle	Closed-circuit current principle
Locking force F_{max}	2500 N
Locking force F_{Zh}	2000 N
Retention force	20 N
Extraction force	30 N
Actuating force	35 N
Insertion depth	min.24,5 mm

Electrical connection ratings

Rated thermal current I_{th}	4 A
Utilization category according to EN 60947-5-1	
AC-15	4A 50V
DC-13	4A 24V
Solenoid operating voltage	
AC/DC	24 V -15% … +10%
Short circuit protection according to IEC 60269-1	
(Fuse)	4A gG
Rated insulation voltage U_i	50 V
Rated impulse withstand voltage U_{imp}	1,5 kV
Switching voltage	
Min. at 10mA	12 V
Switching current	
Min. at 24V	1 mA
Power consumption	8 W
Solenoid duty cycle	100 %
Display module	24 V -15% … +10%

Miscellaneous

Additional feature	
2 x push buttons	Green, blue (illuminated) [2]
C number	
C2448	With blind flange and escape release for pressing included

Reliability values acc. to EN ISO 13849-1

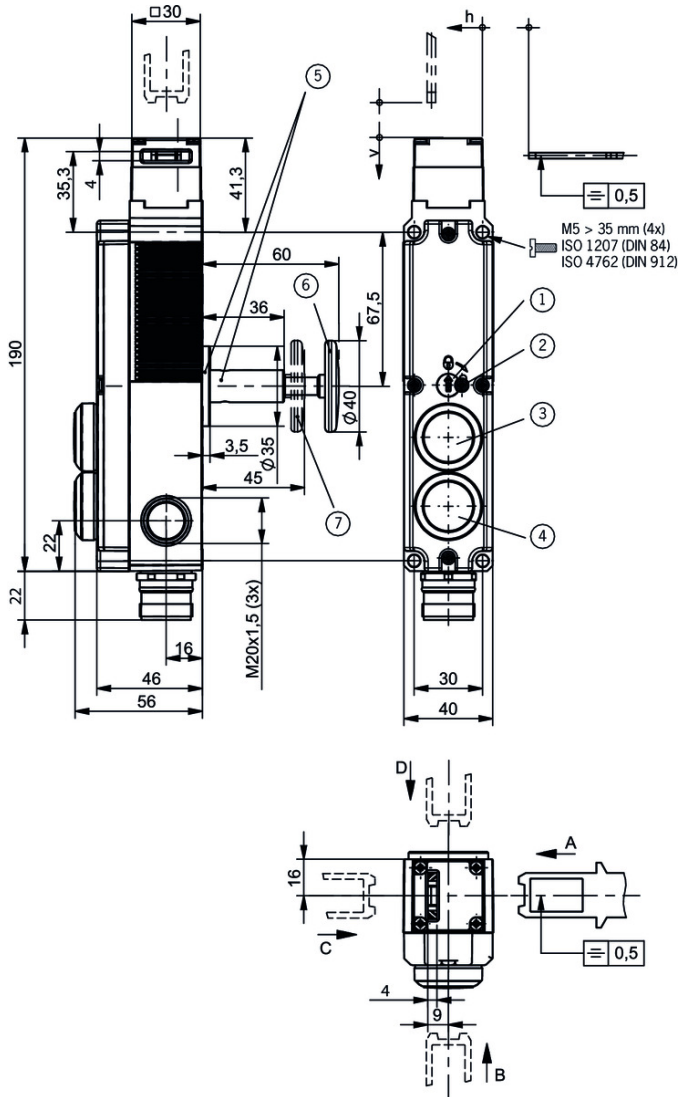|	Monitoring of guard locking and the safety guard position
$B10_D$	5×10^6
	Control of the guard locking
Category	Depending on external control of guard locking
Performance Level	Depending on external control of guard locking
PFH_D	Depending on external control of guard locking

in combination withActuator BETAETIGER-S-GT-SN

Mechanical values and environment

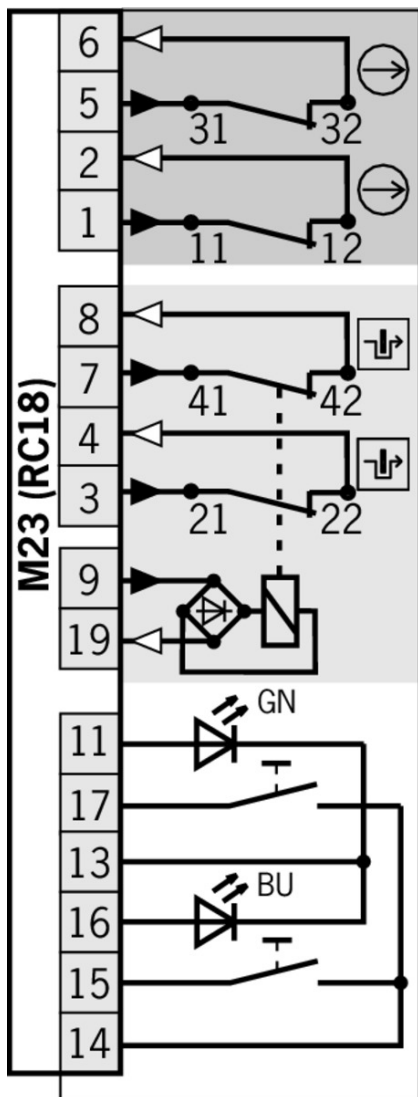|	
Overtravel	5 mm

[1] 18-pin + PE (not connected)

[2] 24V

Dimension drawing

Legende

1 Auxiliary release

2 Locking screw

3 Pushbutton, green illuminated

4 Pushbutton, blue illuminated

5 Blind flange mounted, escape release included.

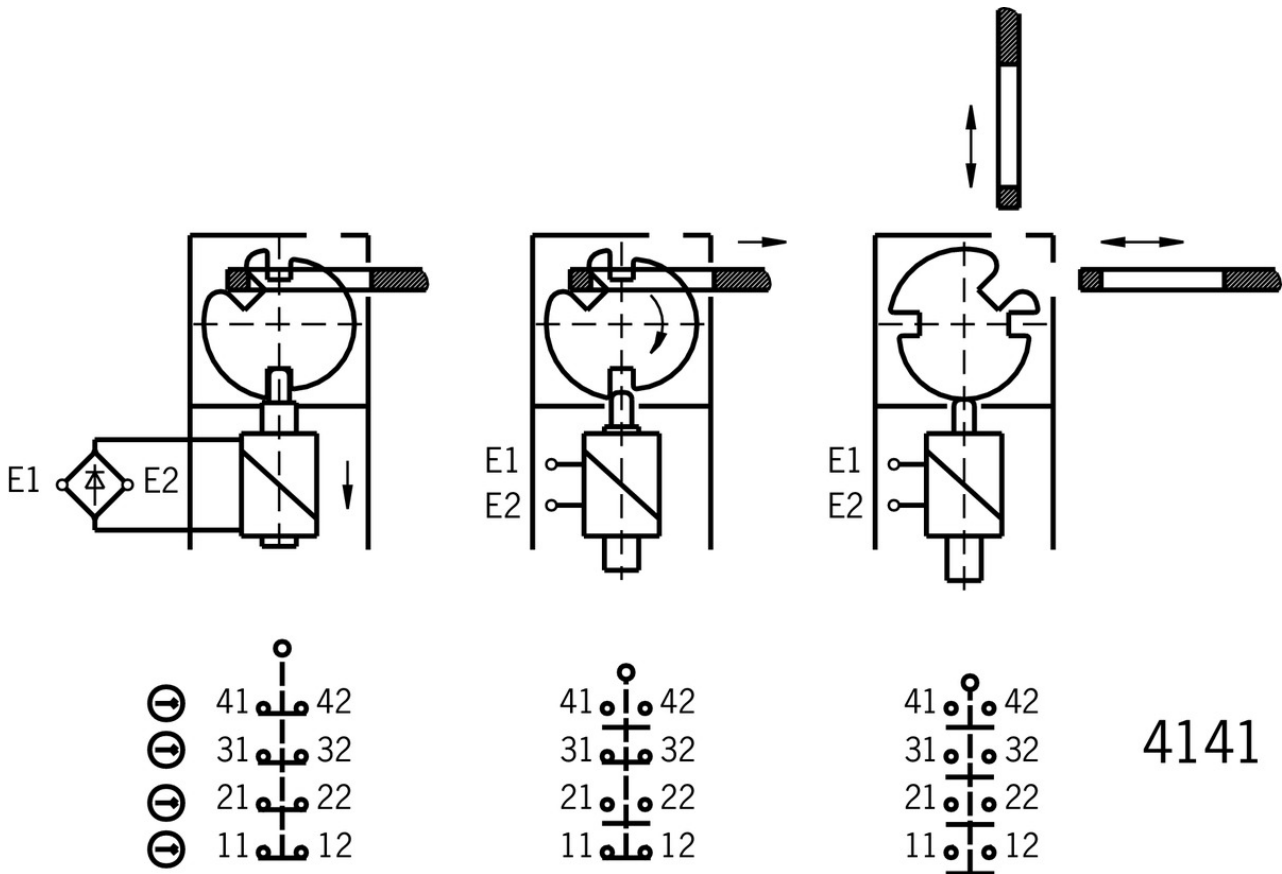6 Escape release, basic position

7 Escape release, unlocked position

4141 EXT9

Legende

Solenoid monitoring

Door monitoring

Switching functions

E1 —⊕— E2

⊖	41 o⌐o 42
⊖	31 o⌐o 32
⊖	21 o⌐o 22
⊖	11 o⌐o 12

41 o o 42
31 o⌐o 32
21 o o 22
11 o⌐o 12

41 o o 42
31 o o 32
21 o o 22
11 o o 12

4141

Actuator

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

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

095740 BETAETIGER-S-WQT-SN
❯ Features
> Two safety screws included

115073 BETAETIGER-S-W-SN-C2115
❯ Features
> Two stainless safety screws per actuator
> Minimum door radius 300 mm

105808 BETAETIGER-S-WT-SN-C2115
▼ Features
› Two stainless safety screws per actuator
› Actuators with rubber bushings
› Minimum door radius 300 mm

▼ Actuator L for safety switches SGA/SGP/STA/STP/STM for insertion funnel

095739 BETAETIGER-S-GT-LN
▼ Features
› Two safety screws included
› Actuators with rubber bushings

▼ Actuator L, bent, for safety switches SGA/SGP/STA/STP/STM for insertion funnel

095741 BETAETIGER-S-WQT-LN
▼ Features
› Two safety screws included
› Actuators with rubber bushings

105809 BETAETIGER-S-WT-LN-C2115
▼ Features
› Two stainless safety screws per actuator
› Actuators with rubber bushings
› Minimum door radius 300 mm

▼ 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

▼ 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 L top/bottom, for safety switches SGA/SGP/STA/STP/STM for insertion funnel

096697 RADIUSBETAETIGER-S-OU-LN
▼ Features
› Actuators made of stainless steel
› Two stainless safety screws per actuator
› For doors hinged at top and bottom

▼ Hinged actuator L left/right, for safety switches SGA/SGP/STA/STP/STM for insertion funnel

096844 RADIUSBETAETIGER-S-LR-LN

▼ Features

> Actuators made of stainless steel
> Two stainless safety screws per actuator
> For doors hinged on right and left

Function expansion

▼ Insertion funnel for safety switches SGP/STA/STP/STM/SGA

093157 EINFUEHRTRICHTER-S

▼ Built-in LED

087423 EINBAULEUCHTE LED M20X1,5

095510 EINBAULEUCHTE LED-F M20X1,5

▼ Lockout bar STA/STP/SGA/SGP/STM

105701 SPERREINSATZ STP/STA

▼ Features

> Prevents unintentional closing of the door
> Can be secured with padlocks

Mounting accessories

▼ Mounting plates EMP-SB for safety switches CTP, TP...A, STA, STP and TX

093456 EMP-SB

▼ Features

> For vertical and horizontal mounting of safety switches TP...A, STA, STP and TX

▼ Mounting plates EMP-B1 for actuators for safety switches CTP, TP...A, STA, STP, TX and TZ

093457 EMP-B1

▼ Mounting plates EMP-B2 for actuators for safety switches CTP, TP...A, STA, STP, TX and TZ

093458 EMP-B2

Switch bracket TP/STP GFK

096613 SCHALTERAUFNAHME TP/STP GFK

Features
- Switch bracket made of fiber glass reinforced plastic
- For left or right hinged doors

Bolt

Bolt S-... with escape release for safety switches STA, STP, SGP and SGA

096390 RIEGEL S-AF

Features
- Steel bolt
- Lever for escape release from the danger area
- For doors hinged on the right
- Detent knob in open position
- Can be locked in open position with padlocks
- Actuator included

096391 RIEGEL S-CF

Features
- Steel bolt
- Lever for escape release from the danger area
- For doors hinged on the left
- Detent knob in open position
- Can be locked in open position with padlocks
- Actuator included

Bolt BTC-ST/G... with escape release for safety switches STA, STP, SGP and SGA

106285 BTC-ST/G-S-TH-01-F

Features
- Aluminum bolt
- For doors hinged on the left or right
- Lever for escape release from the danger area
- Pushbutton in open position
- Can be locked in open position with padlocks
- Actuator included

Bolt STP-GFK for safety switches STA, STP, SGP and SGA

098121 RIEGEL STP-GFK

Features
- Fiber glass reinforced plastic bolt
- For doors hinged on the left or right
- Can be locked in open position with padlocks
- Actuator included

Connection material

Female plug RC18 straight

074616 RC18EF
Features
- Plug connector M23, straight
- Number of pins: 19-pin with screen bonding clamp

Female plug RC18 angled

074617 RC18WF
Features
- Plug connector M23, angled
- Number of pins: 19-pin with screen bonding clamp

Replacement crimp contacts for female connector RC18

094309 CRIMPKONTAKT BUCHSE RCF
Features
- 19 crimp sockets
- Conductor cross-section 19 x 0.75 - 1 mm²
- For plug connector RC18

Female plug RC18 straight with option C1825

077025 RC18EF-C1825
Features
- Plug connector M23, straight
- Number of pins: 19-pin with screen bonding clamp

Female connector RC18 angled with option C1825

077026 RC18WF-C1825
Features
- Plug connector M23, angled
- Number of pins: 19-pin with screen bonding clamp

Replacement crimp contacts for female connector RC18 with option C1825

094310 CRIMPKONTAKT BUCHSE RCF-C1825
Features
- 19 crimp sockets
- Conductor cross-section 16 x 0.25 - 0.5 mm² and 3 x 0.75 - 1 mm²
- For plug connector RC18..C1825

Connection cable with plug connector M23 with option C1825, 1.5m, straight

092761 C-M23F19-19XDIFPU01,5-MA-092761

Features

- › M23 plug connector, 18-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 1.5 m
- › With flying lead
- › Cores color-coded

Connection cable with plug connector M23 with option C1825, 15m, straight

077016 C-M23F19-19XDIFPU15,0-MA-077016

Features

- › M23 plug connector, 18-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 15 m
- › With flying lead
- › Cores color-coded

Connection cable with plug connector M23 with option C1825, 6m, straight

077014 C-M23F19-19XDIFPU06,0-MA-077014

Features

- › M23 plug connector, 18-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 6 m
- › With flying lead
- › Cores color-coded

Connection cable with plug connector M23 with option C1825, 8m, straight

077015 C-M23F19-19XDIFPU08,0-MA-077015

Features

- › M23 plug connector, 18-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 8 m
- › With flying lead
- › Cores color-coded

Connection cable with plug connector M23 with option C1825, 10m, straight

092898 C-M23F19-19XDIFPU10,0-MA-092898

Features

- › M23 plug connector, 18-pin + PE
- › Straight plug connector
- › PUR cable
- › Cable length 10 m
- › With flying lead
- › Cores color-coded

Connection cable with plug connector M23 with option C1825, 20m, straight

092726 C-M23F19-19XDIFPU20,0-MA-092726
- Features
  - M23 plug connector, 18-pin + PE
  - Straight plug connector
  - PUR cable
  - Cable length 20 m
  - With flying lead
  - Cores color-coded

Connection cable with plug connector M23 with option C1825, 25m, straight

092727 C-M23F19-19XDIFPU25,0-MA-092727
- Features
  - M23 plug connector, 18-pin + PE
  - Straight plug connector
  - PUR cable
  - Cable length 25 m
  - With flying lead
  - Cores color-coded

Connection cable with plug connector M23 with option C1825, 30m, straight

095993 C-M23F19-19XDIFPU30,0-MA-095993
- Features
  - M23 plug connector, 18-pin + PE
  - Straight plug connector
  - PUR cable
  - Cable length 30 m
  - With flying lead
  - Cores color-coded

Connection cable with plug connector M23 with option C1825, 40m, straight

102490 C-M23F19-19XDIFPU40,0-MA-102490
- Features
  - M23 plug connector, 18-pin + PE
  - Straight plug connector
  - PUR cable
  - Cable length 40 m
  - With flying lead
  - Cores color-coded

Connection cable with plug connector M23, 19-pin, 1.5m, straight

110301 C-M23F19-19XDIFPU01,5-MA-110301
- Features
  - M23 female plug, 19-pin
  - Straight plug connector
  - PUR cable
  - Cable length 1.5 m
  - With flying lead

> Cores numbered, black

Connection cable with plug connector M23, 19-pin, 3m, straight

110302 C-M23F19-19XDIFPU03,0-MA-110302
Features

> M23 female plug, 19-pin
> Straight plug connector
> PUR cable
> Cable length 3 m
> With flying lead
> Cores numbered, black

Connection cable with plug connector M23, 19-pin, 6m, straight

110303 C-M23F19-19XDIFPU06,0-MA-110303
Features

> M23 female plug, 19-pin
> Straight plug connector
> PUR cable
> Cable length 6 m
> With flying lead
> Cores numbered, black

Connection cable with plug connector M23, 19-pin, 10m, straight

110304 C-M23F19-19XDIFPU10,0-MA-110304
Features

> M23 female plug, 19-pin
> Straight plug connector
> PUR cable
> Cable length 10 m
> With flying lead
> Cores numbered, black

Connection cable with plug connector M23, 19-pin, 15m, straight

110305 C-M23F19-19XDIFPU15,0-MA-110305
Features

> M23 female plug, 19-pin
> Straight plug connector
> PUR cable
> Cable length 15 m
> With flying lead
> Cores numbered, black

Connection cable with plug connector M23, 19-pin, 20m, straight

110306 C-M23F19-19XDIFPU20,0-MA-110306
Features

> M23 female plug, 19-pin
> Straight plug connector

- › PUR cable
- › Cable length 20 m
- › With flying lead
- › Cores numbered, black

☑ Connection cable with plug connector M23, 19-pin, 25m, straight

110307 C-M23F19-19XDIFPU25,0-MA-110307
☑ Features

- › M23 female plug, 19-pin
- › Straight plug connector
- › PUR cable
- › Cable length 25 m
- › With flying lead
- › Cores numbered, black

Instructions

☑ Инструкция по эксплуатации предохранительных выключателей STP…

	Doc. no.	Version	Language	Download
Betriebsanleitung Sicherheitsschalter STP… Manual de instrucciones del interruptor de seguridad STP… Mode d'emploi pour les interrupteurs de sécurité STP… Operating Instructions Safety Switches STP…	2095803	09-12/17	🇩🇪 🇪🇸 🇫🇷 🇺🇸	📄 6.4 MB
Инструкция по эксплуатации предохранительных выключателей STP…	2095803	09-12/17	🇷🇺	📄 1.8 MB
İşletim kılavuzu Emniyet şalteri STP…	2095803	09-12/17	🇹🇷	📄 1.8 MB
Istruzioni di impiego dei finecorsa di sicurezza STP…	2095803	09-12/17	🇮🇹	📄 1.7 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	2077153	25-02/17		0.5 MB
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				

CAD data

CAD data for this item on TraceParts