

ITEM 086165 TP3-4141A024MC1743

Description	Technical data	Accessories	Downloads
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Features

- › Auxiliary release on the front
- › Escape release from the rear
- › With door monitoring contact
- › Increased horizontal overtravel

Approach direction



- › Figure
Horizontal and vertical
Can be adjusted in 90° steps
Increased overtravel for horizontal approach direction

Solenoid operating voltage

- › AC/DC 24 V +10%, -15%

Guard locking type

TP3 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 ⊕ + 2 NC ⊕ (door monitoring contacts)

Escape release

This is used for manual release of guard locking from within the danger area without tools. With identification of On/Off position.

Approvals



Mechanical values and environment

Ambient temperature	-20 ... 55 °C
Mechanical life	1 x 10 ⁶
Number of door position positively driven contacts	4
Actuation frequency	1200 1/h
Locking force F _{max}	1300 N
Locking force F _{Zh}	1000 N
Retention force	10 N
Extraction force	20 N
Actuating force	10 N

Electrical connection ratings

Rated thermal current I _{tH}	4 A
Utilization category according to EN 60947-5-1	AC-15 DC-13
Rated insulation voltage U _i	50 V
Rated impulse withstand voltage U _{imp}	2,5 kV
Power consumption	8 W
Solenoid duty cycle	100 %
Connection cross-section	0,34 ... 1,5 mm ²

in combination with Actuator BETAETIGER-P-GT

Mechanical values and environment

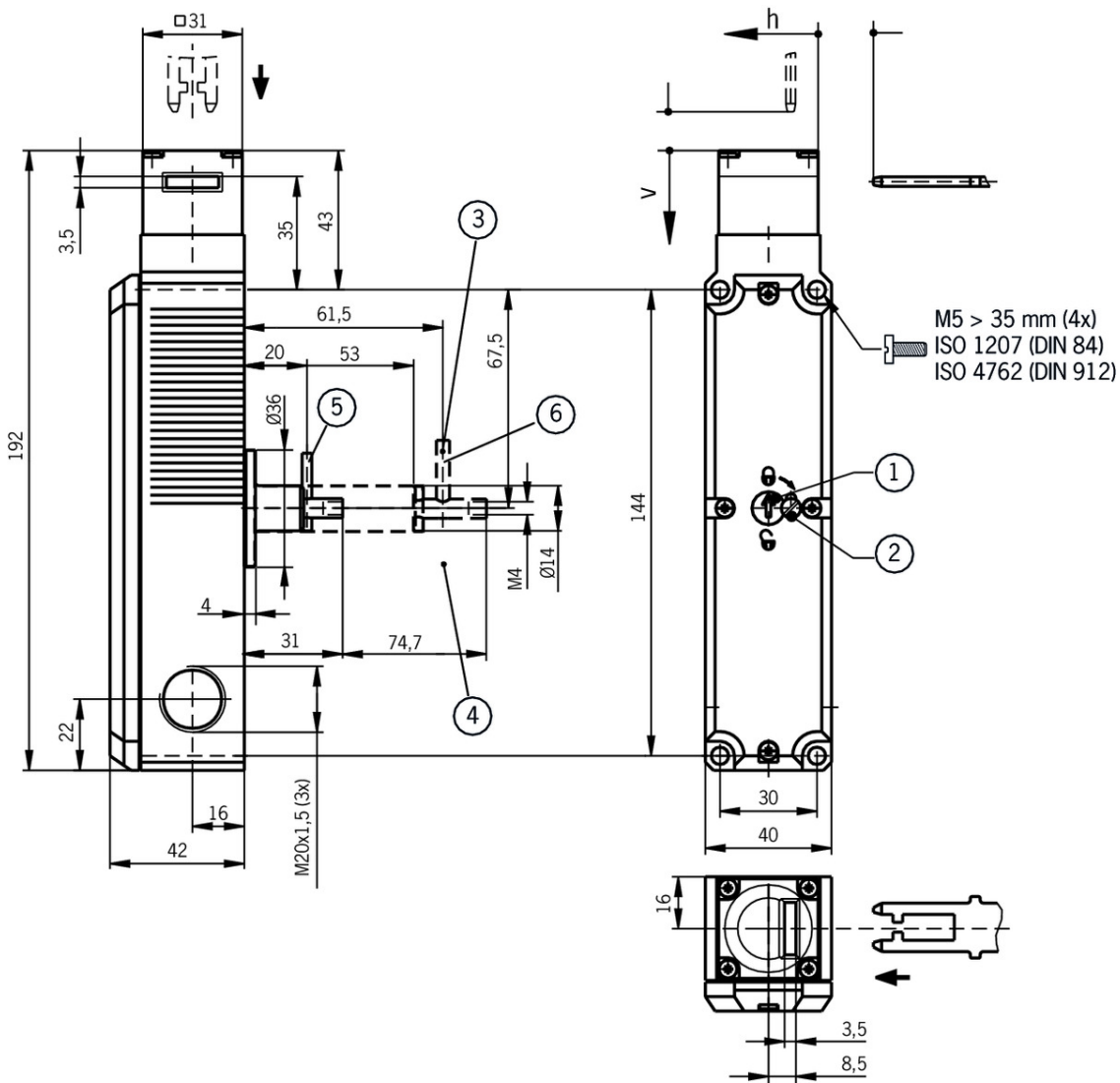
Overtravel A B C D E	2 mm
Overtravel K L M N	1,5 mm

in combination with Actuator BETAETIGER-P-GNT

Mechanical values and environment

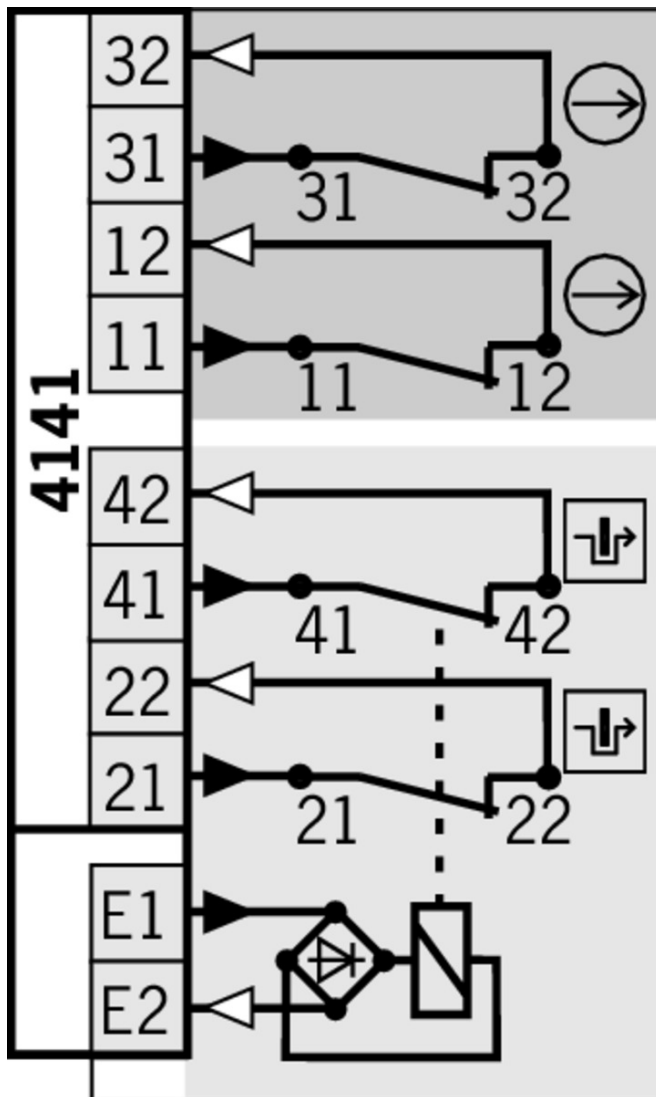
Overtravel A B C D E	7 mm
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Dimension drawing





Legende

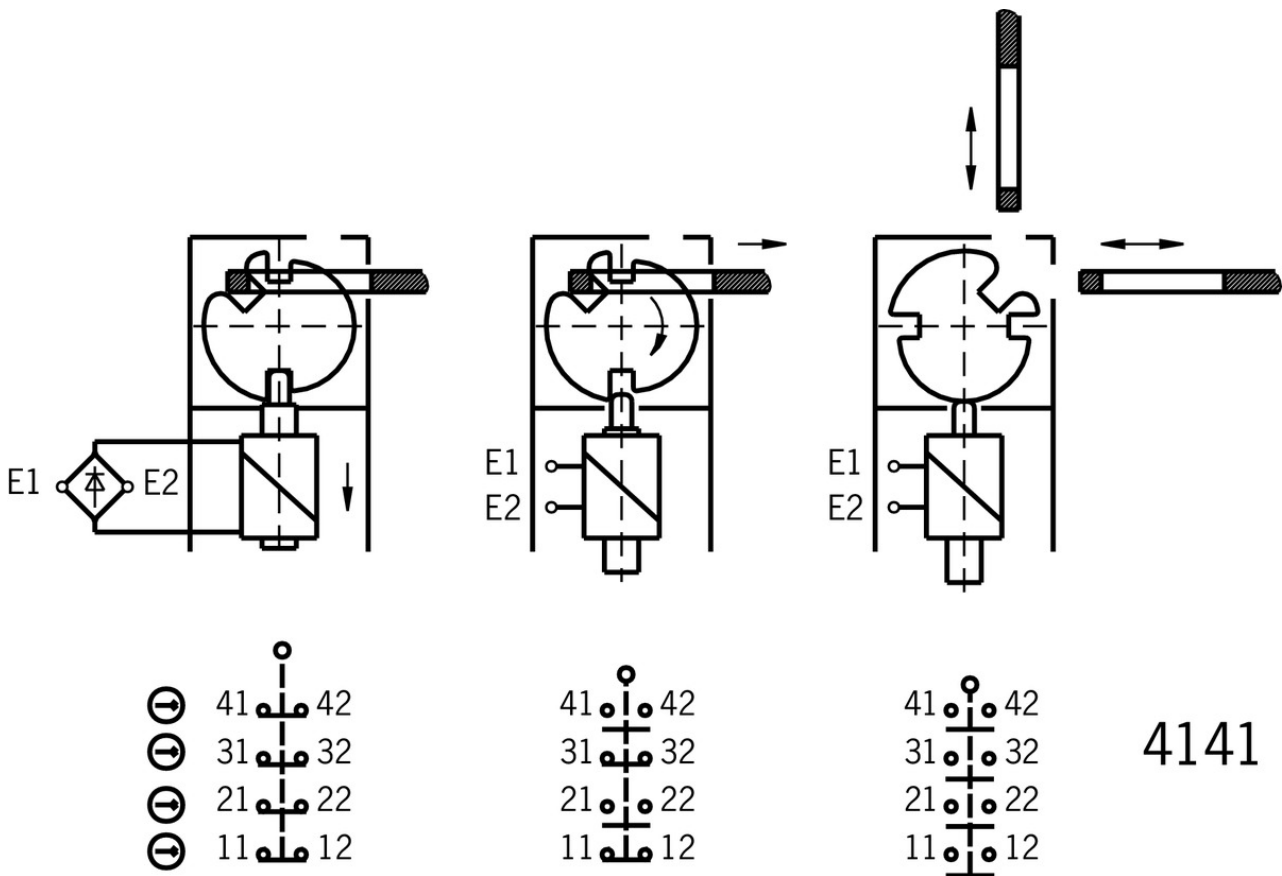
- 1 Auxiliary release
- 2 Locking screw
- 3 Escape release, basic position
- 4 Escape release, unlocked position
- 5 Escape release, short actuator shaft
- 6 Escape release, long actuator shaft



Legende

-  Solenoid monitoring
-  Door monitoring

Switching functions



Actuator

- ✓ Hinged actuator top/bottom for safety switches NP/GP/TP, increased overtravel



074572 RADIUSBETAETIGER-P-OUN

✓ Features

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

- ✓ Hinged actuator left/right for safety switches NP/GP/TP, increased overtravel



074573 RADIUSBETAETIGER-P-LRN

✓ Features

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

- ✓ Bent actuator for safety switches NP/GP/TP



070038 BETAETIGER-P-WT

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › Actuators with rubber bushings



059227 BETAETIGER-P-W

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator

✓ Hinged actuator top/bottom for safety switches NP/GP/TP



070050 RADIUSBETAETIGER-P-OU

✓ Features

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

✓ Hinged actuator left/right for safety switches NP/GP/TP



059440 RADIUSBETAETIGER-P-LR

✓ Features

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

✓ Actuators for safety switches NP/GP/TP, increased overtravel



074576 BETAETIGER-P-GNT

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › Actuators with rubber bushings



074570 BETAETIGER-P-GN

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator

✓ Bent actuator for safety switches NP/GP/TP, increased overtravel



074577 BETAETIGER-P-WNT

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › Actuators with rubber bushings



074571 BETAETIGER-P-WN

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator

✓ Actuators for safety switches NP/GP/TP



070046 BETAETIGER-P-GT

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator
- › Actuators with rubber bushings



059226 BETAETIGER-P-G

✓ Features

- › Actuators made of stainless steel
- › Two stainless safety screws per actuator

Function expansion

✓ Wire front release



098313 AE-B-A1-03,0-098313

✓ Features

- › Can be used as escape release or emergency unlocking
- › No automatic return
- › Sheath length 3 m (rope length 6 m)



098314 AE-B-A1-04,0-098314

✓ Features

- › Can be used as escape release or emergency unlocking
- › No automatic return
- › Sheath length 4 m (rope length 6 m)



096230 AE-B-A1-02,0-096230

✓ Features

- › Can be used as escape release or emergency unlocking
- › No automatic return
- › Sheath length 2 m (rope length 6 m)



111233 AE-B-A1-03,0-F-111233

✓ Features

- › Can be used as escape release or emergency unlocking
- › automatic return
- › Sheath length 3 m (rope length 6 m)



125582 AE-B-A1-06,0-125582

✓ Features

- › Can be used as escape release or emergency unlocking
- › No automatic return
- › Rope length 6 m (without sheath)



124770 AE-B-A1-06,0-F-124770

✓ Features

- › Can be used as escape release or emergency unlocking
- › automatic return

- › Rope length 6 m (without sheath)



097747 AE-B-A1-02,0-F-097747

☑ Features

- › Can be used as escape release or emergency unlocking
- › automatic return
- › Sheath length 2 m (rope length 6 m)

☑ Handle for wire front release



099795 AY-HDL-099795

☑ Features

- › Suitable for all wire front releases

☑ Lock for auxiliary release for safety switches CTP/TP/STP



109212 SCHLOSS TP GLEICHSCHLIESSEND C2293

☑ Features

- › Identical locking
- › Key can be removed only in “locked” position



084177 SCHLOSS TP VERSCHIEDENSCHLIESSEND

☑ Features

- › Lock unique locking
- › Key removable in “unlocked” and “locked” positions



086236 SCHLOSS TP GLEICHSCHLIESSEND

☑ Features

- › Identical locking
- › Key removable in “unlocked” and “locked” positions

☑ Insertion funnel for safety switches NP..A/GP/TP..A



086237 EINFUEHRTRICHTER-P

☑ LED set



093752 TP LED SET

☑ Features

- › LED set

☑ Built-in LED



087423 EINBAULEUCHTE LED M20X1,5

095510 EINBAULEUCHTE LED-F M20X1,5



Lockout bar NP/GP/TP



096105 SPERREINSATZ TP

Features

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



Latch spring for increased retention force

076501 RASTFEDER NP/TP



Emergency unlocking for safety switches CTP/TP/STP



099877 NOTENTSPERRUNG TP/STP



Release with automatic reset for safety switches CTP/TP/STP



103110 ENTRIEGELUNG RUECKSTELLEND TP/STP

Bolt



Bolt BTC-T/GP... with escape release for safety switches GP and TP



106302 BTC-T/GP-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 0 NP/TP for safety switches NP, GP and TP



073535 RIEGEL 0 NP/TP OHNE RASTUNG

Features

- › Steel bolt
- › For doors hinged on the left or right
- › Can be locked in open position with padlocks
- › Actuator included



Bolt 1 NP/TP for safety switches NP, GP and TP

073536 RIEGEL 1 NP/TP 1X RASTUNG ZU

Features



- › Steel bolt
 - › For doors hinged on the left or right
 - › Can be locked in open position with padlocks
 - › Actuator included
 - › Detent mechanism closed position
-

✔ Bolt TP/GP... with escape release for safety switches GP and TP



086186 RIEGEL TP-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
-



086188 RIEGEL TP-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 TP/GP... for safety switches GP and TP



084430 RIEGEL TP-A

✔ Features

- › Steel bolt
 - › For doors hinged on the right
 - › Can be locked in open position with padlocks
 - › Actuator included
-



084432 RIEGEL TP-C

✔ Features

- › Steel bolt
 - › For doors hinged on the left
 - › Can be locked in open position with padlocks
 - › Actuator included
-

✔ Bolt TP-GFK-F with escape release for safety switches TP and GP



097602 RIEGEL TP-GFK-F

✔ Features

- › Fiber glass reinforced plastic bolt
- › For doors hinged on the left or right
- › Lever for escape release from the danger area
- › Detent knob in open position
- › Can be locked in open position with padlocks
- › Actuator included

▼ Bolt TP-GFK for safety switches TP and GP



096616 RIEGEL TP-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
-

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

▼ Safety screws M5 x 25

073457 M5X25/V100

▼ Features

- › Safety screws M5 x 25
 - › Packaging unit 100 pieces
-

▼ Safety screws for actuators, M5 x 10

073455 M5X10-NIRO/V100 NZ/TZ

▼ Features

- › Safety screws M5 x 10
 - › Packaging unit 100 pieces
-

▼ Safety screws for safety switches M4 x 14, large head

086232 M4X14-NIRO/V100

▼ Features

- › Safety screws M4 x 14 (large head)
- › Packaging unit 100 pieces

Switch bracket for bolt NP/TP



073539 SCHALTERAUFNAHME TP

Features

- › Switch bracket made of steel
- › For doors hinged on the left or right

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

Connection material

Cable glands M20x1.5



086233 EKPM20/06 086233

Instructions

Návod k použití Bezpečnostní spínač TP...

	Doc. no.	Version	Language	Download
Betriebsanleitung Sicherheitsschalter TP...	2084123	15-12/17		5.7 MB
Manual de instrucciones Interruptores de seguridad TP...				
Mode d'emploi pour les interrupteurs de sécurité TP...				
Operating Instructions Safety Switches TP...				
Návod k použití Bezpečnostní spínač TP...	2084123	15-12/17		1.5 MB
Driftsvejledning for sikkerhedsafbrydere TP...	2084123	15-12/17		1.5 MB
Manual de instruções Chave de segurança TP...	2084123	15-12/17		1.5 MB
Istruzioni di impiego dei finecorsa di sicurezza TP...	2084123	15-12/17		1.5 MB

Catalogs











Bezpečnostní spínače s plastovým pouzdrém 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 pouzdrém	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	2077153	25-02/17		 0.3 MB
Declaración UE de conformidad				
Déclaration UE de conformité				
Dichiarazione di conformità				
EU declaration of conformity				
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