

ITEM 091193 GP3-538ASEM4AS1

Description	Technical data	Accessories	Downloads
-------------	----------------	-------------	-----------



Similar to figure

AS-Interface inputs

D0, D1 Positively driven NC contact 1
D2, D3 Positively driven NC contact 2
Evaluation is performed via a safety monitor.

AS-Interface outputs

D1 Red LED
D2 Green LED

Internal LED function display

- › The Power LED indicates the operating voltage on the bus.
- › The Fault LED indicates if a fault has been detected on the AS-Interface bus.

Approvals



Mechanical values and environment

Housing material	Reinforced thermoplastic
Weight	Net 0,5 kg
Ambient temperature	-20 ... 55 °C
Degree of protection	IP67
Mechanical life	2×10^6
Contact material	Silver alloy, gold flashed
Switching principle	Slow-action switching contact
Installation position	Any
Number of door position positively driven contacts	
According to As-i Safety at Work	2 D0, D1, D2, D3 [1]
Approach speed	max. 20 m/min
Actuation frequency	6700 1/h
Retention force	2 N
Extraction force	20 N
Actuating force	10 N
Insertion depth	
Horizontal	28 mm
Vertical	29,5 mm

Electrical connection ratings

ASi voltage	22,5 ... 30 V 31,6 V
ASi operating current	max.45 mA
ASi slave type	
According to ASI specification 2.1	ID code: B
According to ASI specification 2.1	EA code: 7
ASi data in	
According to ASI Safety at work	D0, D1, D2, D3 [2]
ASi LED	
LED green	Power [3]
LED red	Fault [4]

Reliability values acc. to EN ISO 13849-1

B10 _D	3×10^6
------------------	-----------------

in combination with Actuator BETAETIGER-P-GT

Mechanical values and environment

Overtravel	Horizontal	2 mm
	Vertical	1,5 mm

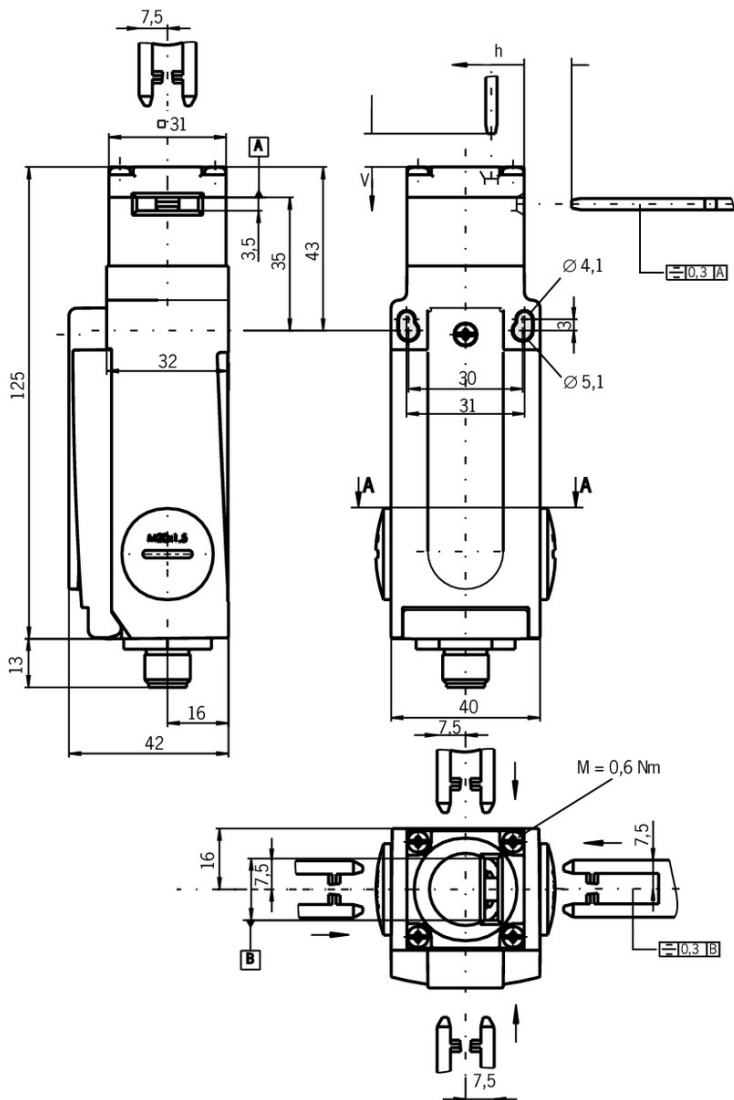
in combination with Actuator **BETAETIGER-P-GNT**

Mechanical values and environment

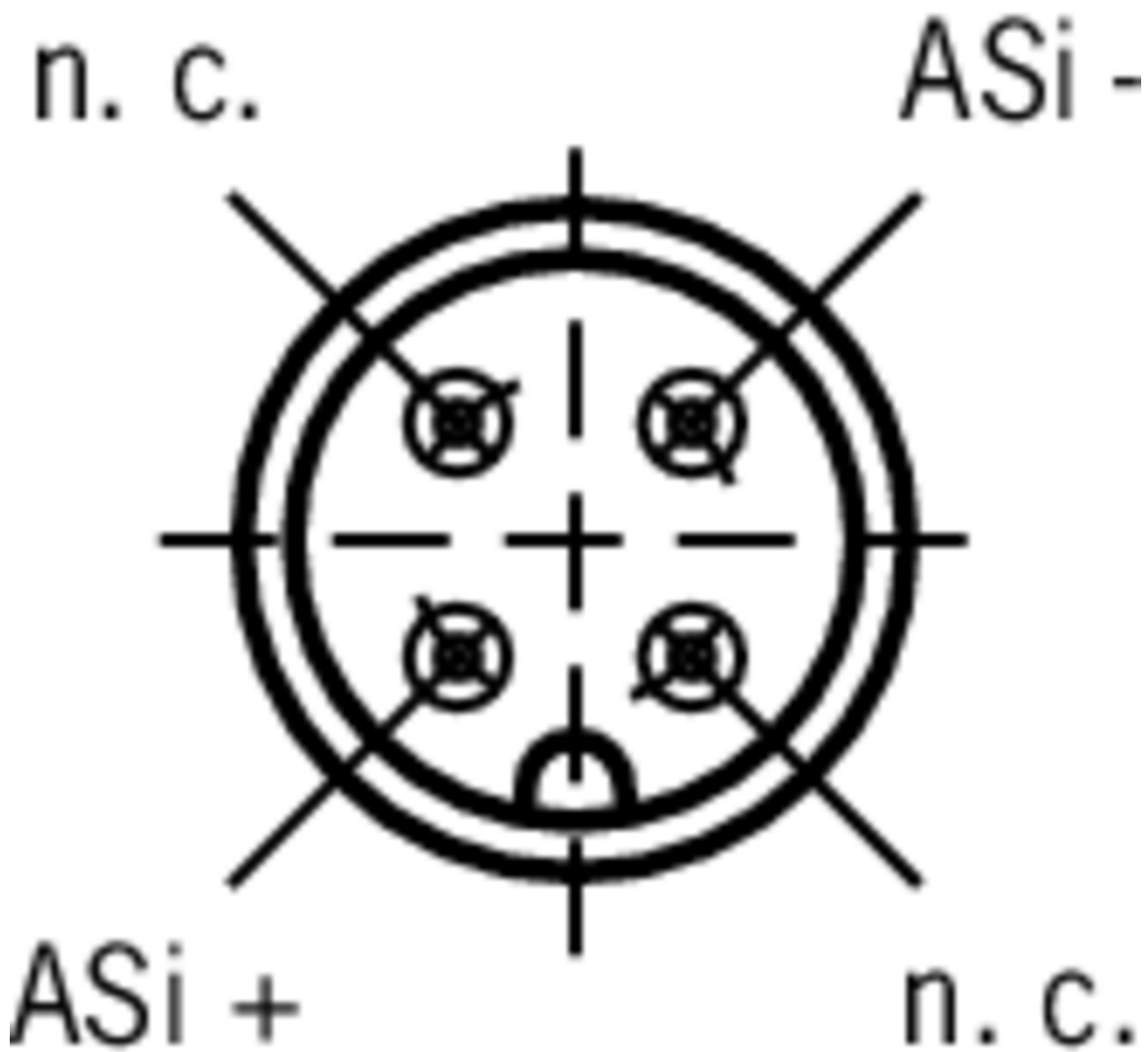
Overtravel	Horizontal	7 mm
	Vertical	7 mm

- [1] 1 = Door closed
- [2] See positively driven NC contact
- [3] Asi voltage is present
- [4] Offline phase or address 0

Dimension drawing



Connector assignment



Legende

View of connection side

Bolt

- ▼ 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 BTC-T/GP... without escape release for safety switches GP and TP



106301 BTC-T/GP-S-TH-00-X

✓ Features

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

Actuator

☑ Actuators for safety switches NP/GP/TP



059226 BETAETIGER-P-G

☑ Features

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



070046 BETAETIGER-P-GT

☑ Features

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

☑ Bent actuator for safety switches NP/GP/TP



059227 BETAETIGER-P-W

☑ Features

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



070038 BETAETIGER-P-WT

☑ Features

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

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



074570 BETAETIGER-P-GN

☑ Features

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



074576 BETAETIGER-P-GNT

☑ Features

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

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



074571 BETAETIGER-P-WN

☑ Features

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



074577 BETAETIGER-P-WNT

✓ Features

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

✓ 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
-

✓ 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
-

Function expansion

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



086237 EINFUEHRTRICHTER-P

✓ 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

Connection material

▼ Bus coupling module with plug connector M12, 5-pin



105756 BCM-A-P2-SEM4-1

▼ Features

- › Conversion from M12 to ribbon cable
- › Very compact design
- › Easy handling

Instructions

▼ Betriebsanleitung Sicherheitsschalter GP..AS

	Doc. no.	Version	Language	Download
Betriebsanleitung Sicherheitsschalter GP..AS Operating Instructions Safety Switches GP...AS	091210	04-08/15		0.6 MB

Catalogs












▼ Sicherheitsschalter mit AS-Interface Safety Switches with AS-Interface Interrupteurs de sécurité avec AS-Interface

	Doc. no.	Version	Language	Download
Sicherheitsschalter mit AS-Interface	092164	11-04/17		2.3 MB
Interrupteurs de sécurité avec AS-Interface	112564	11-04/17		2.3 MB
Safety Switches with AS-Interface	092332	11-04/17		2.3 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