

STP3D-4141B024SEM4AS1C2340VD (Order no. 115471)

Technical data

Approvals



Electrical connection values

ASI operating current	max. 45 mA
AS-Interface auxiliary voltage	20.4 ... 24 ... 26.4 V
Auxiliary current AS-Interface	300 mA
AS-Interface LED	
	green Power
	red Fault
AS-Interface protocol	ASi-3
ASI data out	D0 = control of guard locking, D1 = red LED, D2 = green LED
ASI data in	D0, D1 = door position, D2, D3 = guard locking
AS-Interface slave type	ID-Code: B, EA-Code: 7
ASI voltage	22.5 ... 30 ... 31.6 V
Solenoid duty cycle	100 %

Mechanical values and environment

Anfahrsgeschwindigkeit	max. 20 m/min
Approach direction	B
Connection type	
	1 x Plug connector M12 (4-pin)

Number of door position positively driven contacts

according to AS-i Safety at Work

Number of guard lock monitoring positively driven contacts

according to AS-i Safety at Work D2,D3
(1 = locked)

Extraction force	30 N
Actuation frequency	max. 1200 1/h
Actuating force	35 N
Installation orientation	any
Insertion depth	28.5 mm
Storage temperature	-25 ... 70 °C
Mechanical life	1 x 10 ⁶
Retention force	20 N
Switching principle	Slow-action switching contact
Degree of protection	IP67
Ambient temperature	-20 ... 55 °C
Material	
	Contact Silver alloy, gold flashed
	Housing Reinforced thermoplastic
Locking force $F_{\max}$	2500 N
Locking force F_{Zh}	2000 N
Guard locking principle	Closed-circuit current principle

Components included in the set

Included accessories	Actuator-S-GT-LN
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Characteristic values according to EN ISO 13849-1 and EN IEC 62061

	B10 _D	Mission time
Guard lock monitoring	5x10 ⁶	20 y
Important! Values valid at DC-13 100 mA/24V		

	PL	Maximum SIL	Category	Mission time
Control of guard locking	Depending on external control of guard locking			20 y