




Safety switch GP





Switch			
Parameter	Value		Unit
Housing material	Reinforced thermoplastic		
Mechanical life	2 x 10 ⁶ operating cycles		
Ambient temperature	-20 ... +55		°C
Weight	approx. 0.16		kg
Approach speed, max.	20		m/min
Actuating force	10		N
Extraction force	20		N
Retention force	2		N
Insertion depth (necessary minimum travel + permissible overtravel)	Standard actuator S	Actuator L overtravel	
Approach direction side (h)	28 + 2	28 + 7	mm
Approach direction from top (l)	29.5 + 1.5	29.5 + 7	mm

AS-Interface connection			
Parameter	Value		Unit
Connection	Plug connector		
Version	M12 (4-pin)		
Degree of protection according to IEC 60529	IP 67 ²⁾		
Rated insulation voltage U _i	50		V AC/DC
Switching principle	Slow-action switching element 2 NC 		
EMC protection requirements	Acc. to EN 50295 (AS-Interface standard) and IEC 62026		
AS-Interface data			
Acc. to AS-Interface Specification 2.1	EA code: 7	ID code: B	
Total current consumption, max.	45		mA
Valid AS-Interface addresses	1 - 31		
AS-Interface inputs			
In accordance with AS-Interface Safety at Work			
Positively driven NC contact 1	D0, D1		
Positively driven NC contact 2	D2, D3		

Safety switch SGP



Switch			
Parameter		Value	Unit
Material	Housing	Reinforced thermoplastic	
	Actuating head	Die-cast aluminum	
	Cam in actuating head	Stainless steel	
Mechanical life		2 x 10 ⁶ operating cycles	
Ambient temperature		- 20 ... + 55	°C
Weight		approx. 0.16	kg
Approach speed, max.		20	m/min
Actuating force		25	N
Extraction force		25	N
Retention force		10	N
Insertion depth (necessary minimum travel + permissible overtravel)	Standard actuator S	Actuator L overtravel	
Approach direction side (h)	24.5 + 5	28.5 + 5	mm
Approach direction from top (v)	24.5 + 5	28.5 + 5	mm

AS-Interface connection			
Parameter		Value	Unit
Connection		Plug connector	
Version		M12 (4-pin)	
Degree of protection according to IEC 60529		IP 67 ²⁾	
Rated insulation voltage U _i		50	V AC/DC
Switching principle		Slow-action switching element 2 NC \ominus	
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AS-Interface data			
Acc. to AS-Interface Specification 2.1		EA code: 7	ID code: B
Total current consumption, max.		45	mA
Valid AS-Interface addresses		1 - 31	
AS-Interface inputs			
In accordance with AS-Interface Safety at Work			
Positively driven NC contact 1		D0, D1	
Positively driven NC contact 2		D2, D3	