

5. Safety switches for hinged guards

Hinge switch as switch hinge – Series summary



■ TESZ



■ TESK

Key Features

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| <ul style="list-style-type: none"> • Available as stainless steel hinge • Versions for profile systems in 30, 35, 40 and 45 mm • Max. 3 contacts • Restart Interlock (manual reset) | <ul style="list-style-type: none"> • Optimised for profile system • Freely adjustable switching angle • Large swivel angle of 270° • Suitable for use with shuttle valves • For external and internal use • Max. 4 contacts |
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Technical features

Electrical characteristics		
Max. switching capacity U/I	230 VAC / 2 A (only screw terminal); 24 VDC / 1 A	230 VAC / 2 A (only cable) 24 VDC / 1 A
Switching of low voltages	1 mA / 5VDC	1 mA / 3VDC
Mechanical data		
Housing material	Glass-fibre reinforced thermoplastic and aluminium	Zinc die-cast
Connection	M12 connector plug, 8-pole / screw terminal	M12 connector plug, 5-pole / 8-pole / cable
Opening angle	135°	270°
Positive break angle	10°	10°
Switching frequency	120/h	120/h
Ambient conditions		
Ambient temperature	-25 °C ... +65 °C	-25 °C ... +65 °C
Protection class	IP65	IP65

Safety classification

Standards	ISO 13849-1	ISO 13849-1
B_{10D} NC contact	2,000,000	2,000,000
Certificates		

¹⁾ Certification: under preparation



To get detailed information about the products and certificates, visit www.schmersal.net.