



Figure similar

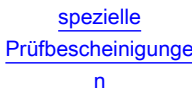
SAFETY POSITION SWITCHES WITH SOLENOID INTERLOCKING, LOCK. FORCE 2600N, 5 APPR. DIR. METAL ENCL., 3X(M20X1.5), MAGNETIC FIELD LOCKED, MAGNET VOLTAGE 24V DC, MONITORING OF ACTUATOR 2NC/1NO, MONITORING OF MAGNET 2NC/1NO

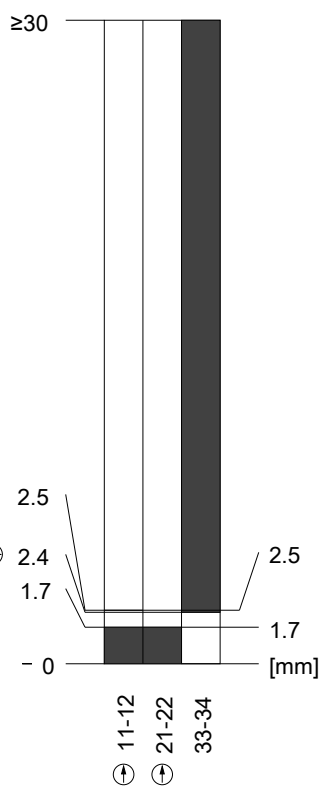
Product designation	position switch with tumbler
Design of the product	with separate actuator and with tumbler
Manufacturer's article number	
• of the optional actuators	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with transverse mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy duty actuator

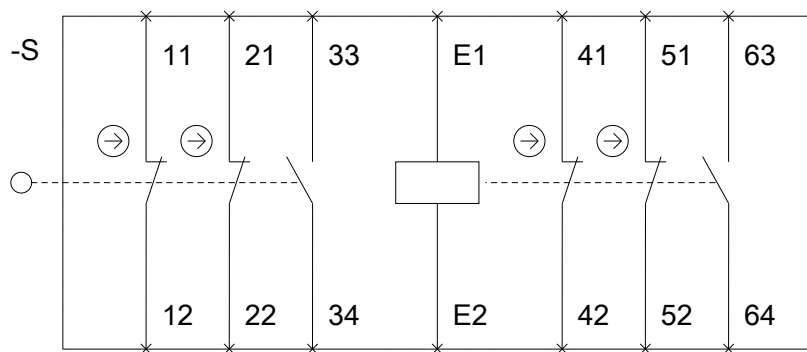
General technical data:

Product function	
• positive opening	Yes
Insulation voltage	
• rated value	250 V
Surge voltage resistance rated value	4 kV
Protection class IP	IP66/IP67
Degree of pollution	class 3
Shock resistance	30g / 11 ms
• acc. to IEC 60068-2-27	30 g / 11 ms
Vibration resistance	0.35 mm / 5g

• acc. to IEC 60068-2-6	0.35 mm/5g
Mechanical service life (switching cycles)	
• typical	1 000 000
Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	1 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
Thermal current	6 A
Material of the enclosure of the switch head	metal
Equipment marking	
• acc. to DIN EN 61346-2	B
• acc. to DIN EN 81346-2	B
Continuous current of the C characteristic MCB	1 A; for a short-circuit current smaller than 400 A
Continuous current of the quick DIAZED fuse link	10 A; for a short-circuit current smaller than 400 A
Continuous current of the DIAZED fuse link gG	6 A; for a short-circuit current smaller than 400 A
Locking force	2 600 N
• acc. to DIN EN ISO 14119	2 000 N
Repeat accuracy	0.05 mm
Minimum actuating force in activation direction	30 N
Operating current at AC-15	
• at 24 V rated value	6 A
• at 125 V rated value	3 A
• at 230 V rated value	1.5 A
Operating current at DC-13	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 A
• at 230 V rated value	0.27 A
Enclosure:	
Design of the housing	special design
Material of the enclosure	metal
Coating of the enclosure	cathodic immersion coating
Design of the housing acc. to standard	No
Drive Head:	
Design of the operating mechanism	5 directions of approach
Design of the switching function	positive opening
Number of actuation directions	5
Connections/ Terminals:	
Type of electrical connection	screw-type terminals
Mechanical data:	
Cable entry type	3 x (M20 x 1.5)

Locking mechanism design	magnetic field lock (open-circuit principle)				
Communication/ Protocol:					
Design of the interface	without				
Ambient conditions:					
Ambient temperature					
• during operation	-25 ... +60 °C				
• during storage	-40 ... +80 °C				
Supply voltage:					
Supply voltage of magnet coil	24 V				
Installation/ mounting/ dimensions:					
Mounting position	any				
Mounting type	screw fixing				
Certificates/approvals					
General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates		
 CCC	 CSA		 Baumusterprüfbescheinigung	 EG-Konf.	 spezielle Prüfbescheinigung n
other					
Bestätigungen					
Further information					
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs					
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE53120SB11					
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE53120SB11					
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE53120SB11					
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE53120SB11&lang=en					





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