SIEMENS

Data sheet 3SE5312-0SE11



Safety position switch with tumbler Locking force 2600 N 5 directions of approaches Spring-locked Auxiliary release with lock Magnet voltage 24 V DC Monitoring actuator 2 NC/1 NO Monitoring magnet 2 NC/1 NO Supplied without actuator. Actuator 3SE5000-0AV0. please order separately

product brand name	SIRIUS	
product designation	Mechanical safety switches	
design of the product	with separate actuator and with tumbler	
product type designation	3SE5	
manufacturer's article number of the optional actuators	3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical fixing, 3SE5000-0AV03 actuator with transverse fixing, 3SE5000-0AV04 radius actuator, approach from left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator, approach from right, 3SE5000-0AV07 Heavy Duty actuator, 3SE5000-0AW42 actuator with vertical fixing, stainless steel socket, 3SE5000-0AW43 actuator with transverse fixing, stainless steel socket, 3SE5000-0AW51 stainless steel actuator, 3SE5000-0AW52 stainless steel actuator with vertical fixing, 3SE5000-0AW53 stainless steel actuator with transverse fixing	
suitability for use safety switch	Yes	
General technical data		
product function positive opening	Yes	
locking force	2 600 N	
according to EN ISO 14119	2 000 N	
insulation voltage rated value	250 V	
degree of pollution	class 3	
surge voltage resistance rated value	4 kV	
protection class IP	IP66/IP67	
shock resistance	30g / 11 ms	
according to IEC 60068-2-27	30g / 11 ms	
vibration resistance	0.35 mm / 5g	
according to IEC 60068-2-6	0.35 mm/5g	
mechanical service life (operating cycles) typical	1 000 000	
thermal current	10 A	
material of the enclosure of the switch head	metal	
reference code according to IEC 81346-2	В	
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	
repeat accuracy	0.05 mm	
Substance Prohibitance (Date)	10/01/2011	
SVHC substance name	Blei - 7439-92-1	
minimum actuating force in directions of actuation	30 N	
length of the sensor	185 mm	
width of the sensor	54 mm	
Ambient conditions		
ambient temperature		
during operation	-25 +60 °C	
during storage	-40 +80 °C	

explosion protection category for dust	none		
consumed active power of magnet coil	3.5 W		
operational current at AC-15			
• at 24 V rated value	6 A		
at 120 V rated value	6 A		
at 240 V rated value	3 A		
operational current at DC-13			
at 24 V rated value	3 A		
at 125 V rated value	0.55 A		
at 250 V rated value	0.27 A		
Enclosure			
design of the housing	special design		
material of the enclosure	metal		
coating of the enclosure	cathodic dip coating		
design of the housing according to standard	No	No	
Drive Head			
design of the actuating element	5 directions of approach		
design of the switching function	positive opening		
number of directions of actuation	5		
circuit principle	slow-action contacts		
number of switching contacts safety-related	4		
cable entry type	3x (M20 x 1.5)		
locking mechanism design	spring-actuated lock (closed-circuit principle) with auxiliary release and lock		
nstallation/ mounting/ dimensions		,	
mounting position	any		
fastening method	screw fixing		
Connections/ Terminals			
type of electrical connection	screw-type terminals		
type of connectable conductor cross-sections	,		
• solid	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)		
finely stranded with core end processing	1x (0.5 1.5 mm²), 2x (0.5 0.75 mm²)		
• for AWG cables solid	1x (20 16), 2x (20 18)		
for AWG cables stranded	1x (20 16), 2x (20 18)		
Supply voltage			
supply voltage of magnet coil	24 V		
design of the interface for safety-related communication	without		
Communication/ Protocol			
design of the interface	without		
Safety related data			
B10 value with high demand rate according to SN 31920	1 000 000		
proportion of dangerous failures with high demand rate according to SN 31920	20 %		
Certificates/ approvals			
General Product Approval		Functional Safety/Safety of Ma- chinery	



Confirmation







Type Examination Certificate

Declaration of Conformity

Test Certificates

other

Dangerous Good

UK CA



Type Test Certificates/Test Report

Confirmation

Transport Information

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5312-0SE11

Cax online generator

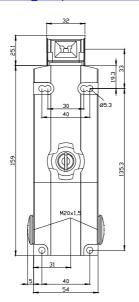
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SE5312-0SE11}$

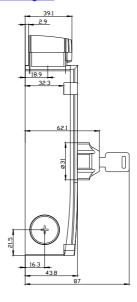
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

https://support.industry.siemens.com/cs/ww/en/ps/3SE5312-0SE11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

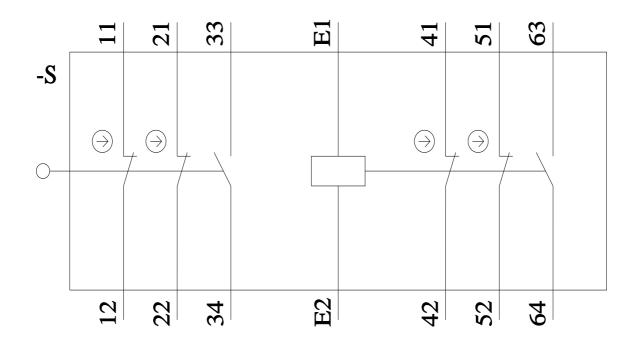
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5312-0SE11&lang=en











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