SIEMENS

Data sheet 3SE5324-0SH21-1AE4

Safety switch with tumbler,plastic, locking force 1300 N,e.g. for SIMATIC ET200eco PN-F; Spring-locked, with escape release at the back Auxiliary release with lock on front, magnet voltage 24 V, monitoring 1x door, monitoring 1x interlock, M12 connector 8-pole, Pin1=11; Pin2=12, Pin3=41, Pin4=42, Pin5=n.a.; Pin6=n.a. Pin7=E1, Pin8=E2 Actuator 3SE5000-0AV0. /-0AW.. must be ordered separately. Connection accessories, e.g. for SIMATIC ET200eco PN-F: Y cable 6ES7194-6KC00-0XA0 Cable 8-pole 3SX5601-3SV18

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	1 300 N
● according to EN ISO 14119	1 000 N
insulation voltage rated value	30 V
degree of pollution	class 3
surge voltage resistance rated value	0.8 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	1.5 A
material of the enclosure of the switch head	plastic
reference code according to IEC 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	1 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	1 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
actuating force in tension force vector typical	20 N
length of the sensor	198 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	1.5 A
operational current at DC-13	
● at 24 V rated value	1.5 A
Enclosure	
design of the housing	special design
material of the enclosure	plastic
design of the housing according to standard	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	2
cable entry type	M12 plug
design of plug-in connection	M12 connector, 8-pole: Pin 1= 11, pin 2= 12, pin 3= 41, pin 4= 42, pin 5= n.c., pin 6= n.c., pin 7= E1, pin 8= E2
locking mechanism design	spring-locked (closed-circuit current principle) with escape unlocking at the rear and lock on the front
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	screw-type terminals
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	50 %
Certificates/ approvals	

General Product Approval

Confirmation

General Product Approval	other	Dangerous Good
	Confirmation	Transport Information

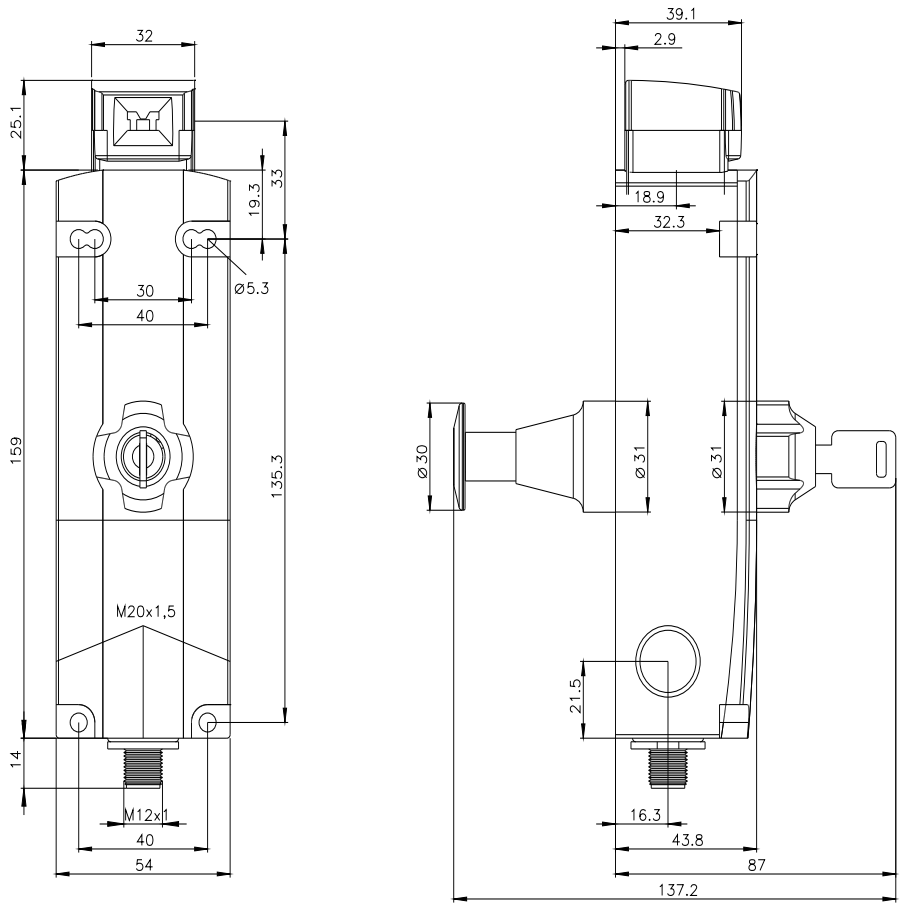
Further information

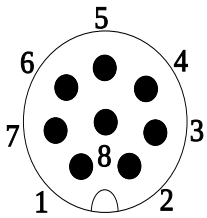
Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification 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=3SE5324-0SH21-1AE4
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5324-0SH21-1AE4

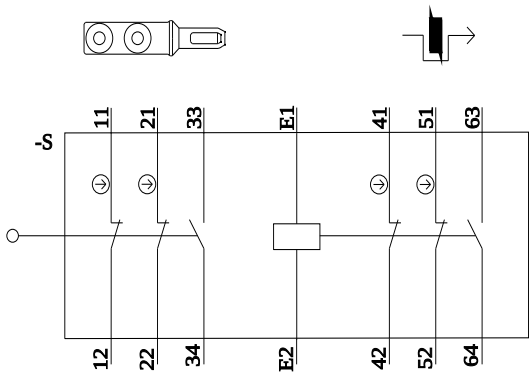
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE5324-0SH21-1AE4

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5324-0SH21-1AE4&lang=en





1	WH = White	→	11
2	BN = Brown	→	12
3	GN = Green	→	41
4	YE = Yellow	→	42
5	GY = Grey	→	n.c.
6	PK = Pink	→	n.c.
7	BU = Blue	→	E1
8	RD = Red	→	E2



last modified: 9/5/2023