



Safety position switch with separate actuator Plastic enclosure, 31 mm according to EN 50047 1 NO/1 NC slow-action contacts with M12 connector, 5-pole, fixed and 2 LEDs yellow/green 24 V DC, 5 directions of approaches Pin assignment: Pin1=21, Pin2=22 Pin3=14 and LED green, Pin4=13 and LED yellow, Pin5=ground LED The matching separate actuator 3SE5000-0AV0. must be ordered separately

product brand name
product designation
product type designation
manufacturer's article number

- of the optional actuators

SIRIUS
Mechanical safety switches
3SE5

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, 3SE5000-0AW11 plastic actuator

Yes

suitability for use safety switch

General technical data

product function positive opening
insulation voltage rated value
degree of pollution
surge voltage resistance rated value
protection class IP
shock resistance

- according to IEC 60068-2-27

vibration resistance

- according to IEC 60068-2-6

mechanical service life (operating cycles) typical
Electrical operating cycles in one hour with contactor
3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025,
3RT1026
thermal current
material of the enclosure of the switch head
reference code according to IEC 81346-2
continuous current of the C characteristic MCB
continuous current of the quick DIAZED fuse link
continuous current of the DIAZED fuse link gG
active principle
repeat accuracy
Substance Prohibitance (Date)
minimum actuating force in directions of actuation
length of the sensor
width of the sensor

Yes
125 V
class 3
1 kV
IP65
30g / 11 ms
0.35 mm/5g
1 000 000
6 000
4 A
plastic
B
1 A; for a short-circuit current smaller than 400 A
4 A; for a short-circuit current smaller than 400 A
4 A; for a short-circuit current smaller than 400 A
mechanical
0.05 mm
07/01/2006
20 N
104 mm
31 mm

Ambient conditions

ambient temperature

- during operation

-25 ... +60 °C

during storage	-40 ... +90 °C
explosion protection category for dust	none
design of the switching contact	mechanical
operating frequency rated value	50 ... 60 Hz
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
operational current at DC-13	
at 24 V rated value	3 A

Enclosure	
design of the housing	block, narrow
material of the enclosure	plastic
coating of the enclosure	Other types
design of the housing according to standard	Yes

Drive Head	
design of the actuating element	without
standard-compliant actuator head	EN 50047
design of the switching function	positive opening
circuit principle	slow-action contacts
number of switching contacts safety-related	1
cable entry type	M12 plug
design of plug-in connection	M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14, Pin 5 = ground LED

Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing

Connections/ Terminals	
type of electrical connection	M12 plug, fixed

Supply voltage	
type of voltage of the supply voltage of the optional LED display	DC
supply voltage	
of LED	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	



[Confirmation](#)



Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	other
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[Type Examination Certificate](#)



[Type Test Certificates/Test Report](#)

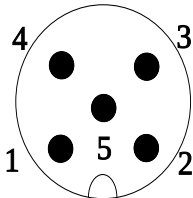
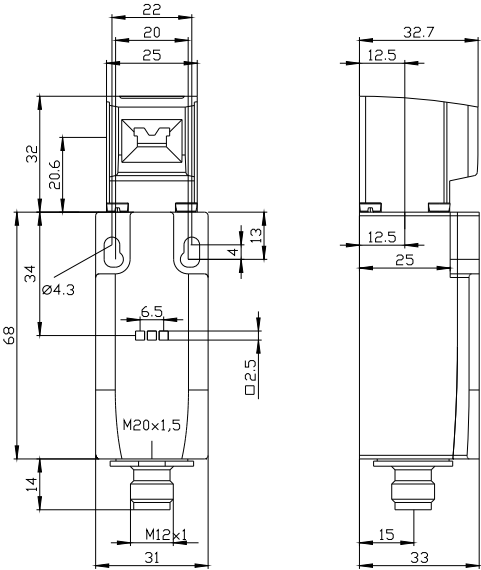
[Confirmation](#)

Further information

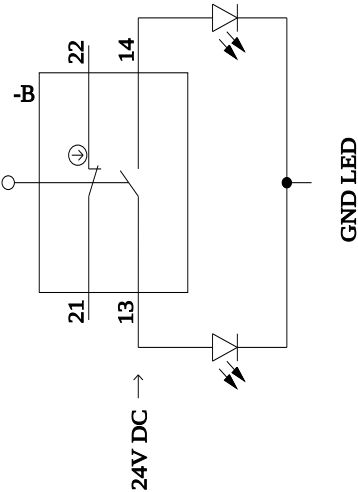
Information- and Downloadcenter (Catalogs, Brochures,...)

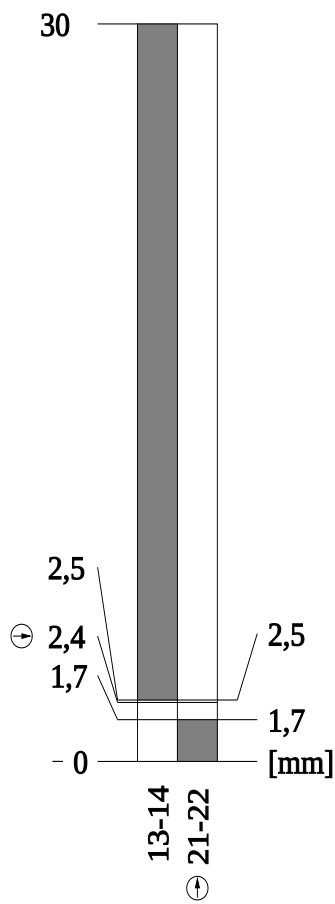
<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)



1	BN = Brown	→	21
2	WH = White	→	22
3	BU = Blue	→	14+LED-Green
4	BK = Black	→	13+LED-Yellow
5	GY = Grey	→	GND LED





last modified:

3/23/2022 