




Basic switch for position switch 3SE51 Metal enclosure 40 mm according to EN 50041 with connector 6+PE (3SY3131) according to EN 43651, 1 NO/1 NC quick action contacts Pin assignment: Pin1=21, Pin2=22 Pin3=13, Pin4=14 Pin5 and Pin6 not connected PE connected with quick change device 3SY3110 + 3SY3027 and matching cable socket 3SY3126

product brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SE5
manufacturer's article number	
• of the supplied basic switch	3SE5115-0CA00-1AD0
• of the supplied switching contacts	3SE5000-0CA00
suitability for use safety switch	Yes
General technical data	
product function positive opening	Yes
insulation voltage rated value	250 V
degree of pollution	class 3
surge voltage resistance rated value	2.5 kV
protection class IP	IP65
shock resistance	
• acc. to IEC 60068-2-27	30g / 11 ms
vibration resistance acc. to IEC 60068-2-6	0.35 mm/5g
mechanical service life (switching cycles) typical	15 000 000
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000
electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical	10 000 000
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026	6 000
thermal current	10 A
reference code acc. 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	10 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	6 A
active principle	mechanical
repeat accuracy	0.05 mm
minimum actuating force in directions of actuation	20 N
length of the sensor	141.5 mm
width of the sensor	40 mm
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 AC-15	
• at 24 V rated value	6 A
• at 125 V rated value	6 A
• at 240 V rated value	6 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
design of the interface for safety-related communication	without
Enclosure	
design of the housing	block, narrow
material of the enclosure	metal
coating of the enclosure	cathodic immersion coating
design of the housing acc. to standard	Yes
Drive Head	
design of the actuating element	Other, without, basic switch with plug
design of the switching function	Positive opening with appropriate positive opening actuator head
circuit principle	snap-action contacts
number of switching contacts safety-related	1
Connections/ Terminals	
type of electrical connection	plug, 6-pole + PU, according to EN 43651
cable entry type	plug, 6-pole + PU, according to EN 43651
design of plug-in connection	plug, 6-pole + PU: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14, Pin 5 = not assigned, Pin 6 = not assigned, PU connected
Communication/ Protocol	
design of the interface	without
Ambient conditions	
explosion protection category for dust	none
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Certificates/ approvals	
General Product Approval	Functional Safety/Safety of Machinery

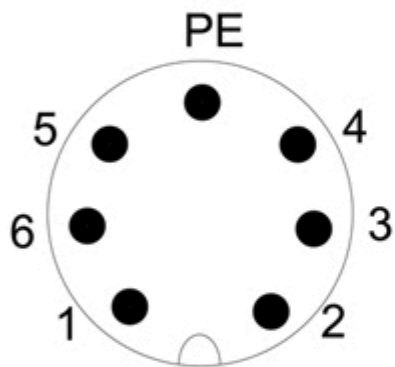


[Type Examination Certificate](#)

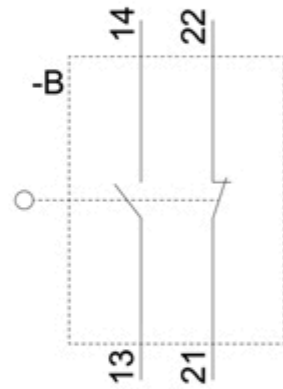
Declaration of Conformity	Test Certificates	other
 EG-Konf.	Miscellaneous	Type Test Certificates/Test Report
		Confirmation

Further information

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=3SE5115-0CA00-1AD0>
Cax online generator
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5115-0CA00-1AD0>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5115-0CA00-1AD0>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)



1	→	21
2	→	22
3	→	13
4	→	14



last modified:

8/31/2020 