

Position switch, with Roller plunger 3SE5114, Metal enclosure 40 mm according to EN 50041 1 NO/1 NC quick action contacts with M12 connector, 5-pole, fixed PIN assignment: PIN1=21, PIN2=22 PIN3=13, Pin4=14, PIN5=PE



product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	• of the supplied basic switch 3SE5114-0CA00-1AC5 • of the supplied actuator head for position switches 3SE5000-0AD02 • 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	125 V
degree of pollution		class 3
surge voltage resistance rated value		1.5 kV
protection class IP		IP66/IP67
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) 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	4 A
material of the enclosure of the switch head	metal
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	4 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	4 A
active principle	mechanical
repeat accuracy	0.05 mm
minimum actuating force in directions of actuation	20 N
length of the sensor	130.5 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	4 A
• operational current at AC-15 at 125 V rated value	4 A
operational current at DC-13	
• at 24 V rated value	3 A
• at 125 V rated value	0.55 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	Roller plunger, high-grade steel roller
standard-compliant actuator head	EN 50041, design C
shape of the switch head	roller

design of the switching function	positive opening
circuit principle	snap-action contacts
number of switching contacts safety-related	1

Connections/ Terminals

type of electrical connection	M12 plug, fixed
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 = PU

Communication/ Protocol

design of the interface	without
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Ambient conditions

explosion protection category for dust	none
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Installation/ mounting/ dimensions

mounting position	any
fastening method	screw fixing

Certificates/ approvals

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
 CCC	 UL	 EG-Konf.
 CSA	 EAC	Type Examination Certificate

Declaration of Conformity	Test Certificates	other
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=3SE5114-0CD02-1AC5>

Cax online generator

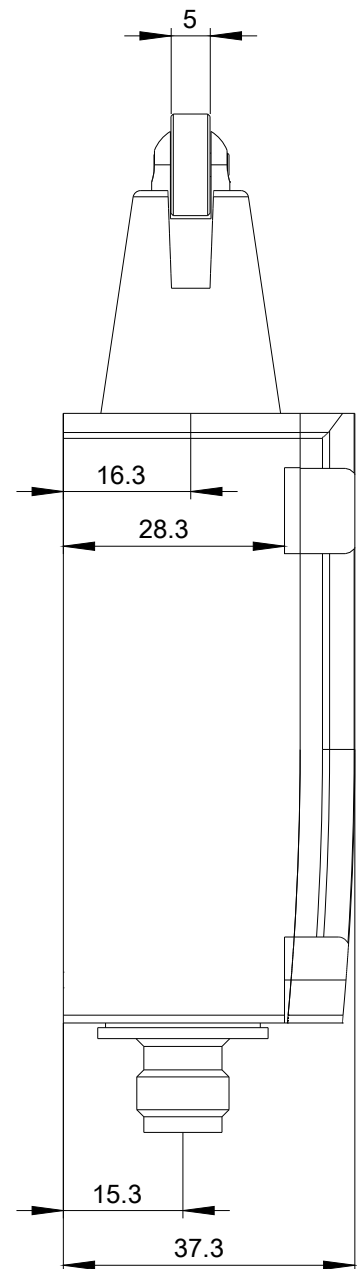
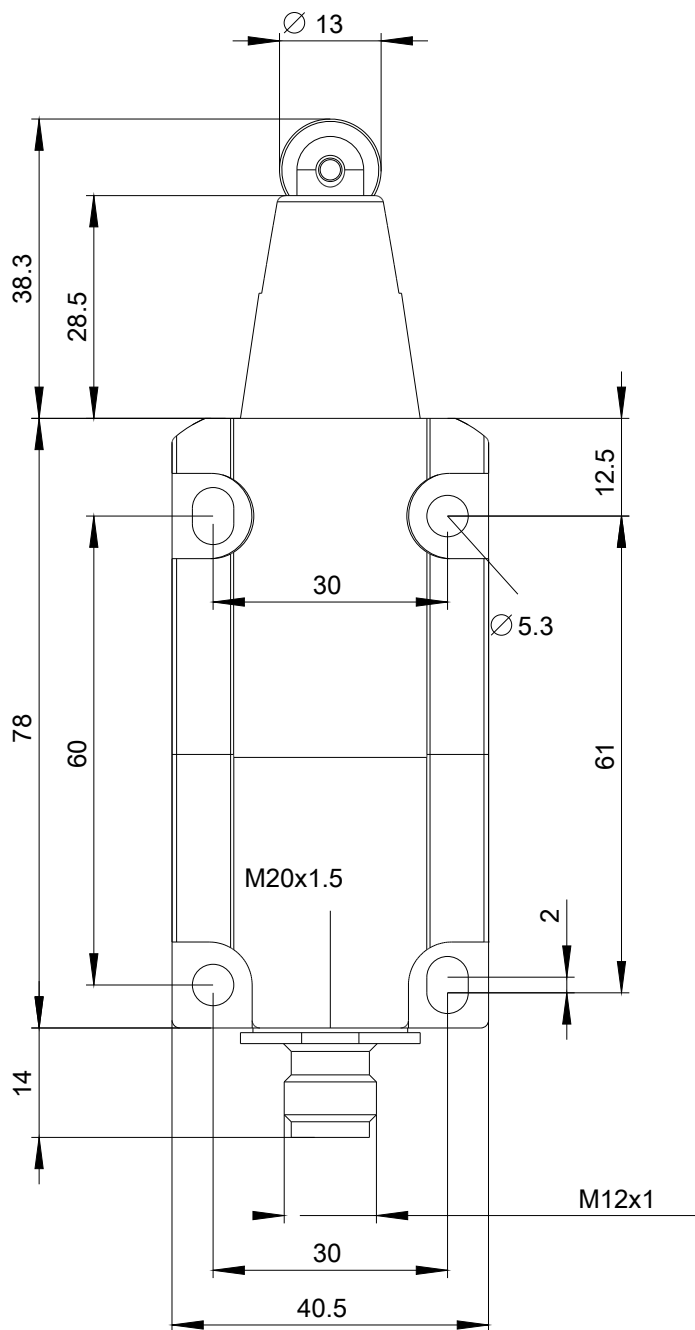
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0CD02-1AC5>

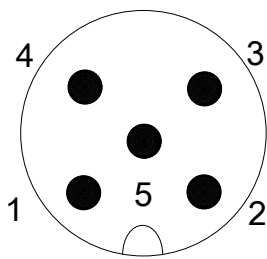
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-0CD02-1AC5>

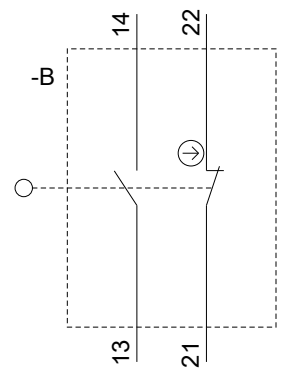
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0CD02-1AC5&lang=en





1	BN = Brown	→	21
2	WH = White	→	22
3	BU = Blue	→	13
4	BK = Black	→	14
5	GN/YE = Green/Yellow	→	PE





last modified:

11/23/2020