



position switch metal enclosure 40 mm according to EN 50041 1 NO/1 NC quick action contacts with M12 plug, 5-pole, fixed pin assignment: Pin1=21, Pin2=22 Pin3=13, Pin4=14, Pin5=PE part-turn actuator right and/or left adjustable, metal lever 27 mm long and plastic roller 19 mm

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
<ul style="list-style-type: none"> • of the supplied basic switch • of the supplied actuator head for position switches • of the supplied operating lever • of the supplied switching contacts 	3SE5114-0CA00-0AC5 3SE5000-0AH00 3SE5000-0AA01 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	
<ul style="list-style-type: none"> • according to IEC 60068-2-27 	30g / 11 ms
vibration resistance according to IEC 60068-2-6	0.35 mm/5g
mechanical service life (operating cycles) typical	15 000 000
thermal current	4 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	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
Substance Prohibitance (Date)	07/01/2006
SVHC substance name	Lead - 7439-92-1 Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7
Net Weight	0.353 kg
minimum actuating torque in directions of actuation	0.25 N·m
length of the sensor	141.5 mm
width of the sensor	40 mm
Ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-25 ... +85 °C -40 ... +90 °C
explosion protection category for dust	none

Main circuit		
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	
• 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	
Enclosure		
design of the housing	block, narrow	
material of the enclosure	metal	
coating of the enclosure	cathodic dip coating	
design of the housing according to standard	Yes	
Drive Head		
design of the actuating element	Twist lever, metal lever, 27 mm long, step 9 mm, plastic roller 19 mm	
standard-compliant actuator head	EN 50041, design A	
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	
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	
Installation/ mounting/ dimensions		
mounting position	any	
fastening method	screw fixing	
Connections/ Terminals		
type of electrical connection	M12 plug, fixed	
design of the interface for safety-related communication	without	
Communication/ Protocol		
design of the interface	without	
Safety related data		
product function suitable for safety function	Yes	
service life maximum	20 a	
test wear-related service life necessary	Yes	
proportion of dangerous failures		
• with low demand rate according to SN 31920	20 %	
• with high demand rate according to SN 31920	20 %	
B10 value with high demand rate according to SN 31920	1 000 000	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
ISO 13849		
device type according to ISO 13849-1	3	
Approvals Certificates		
General Product Approval	Test Certificates	
    	Type Test Certificates/Test Report	
Test Certificates	other	Environment



Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SE5114-0CH01-1AC5>

Cax online generator

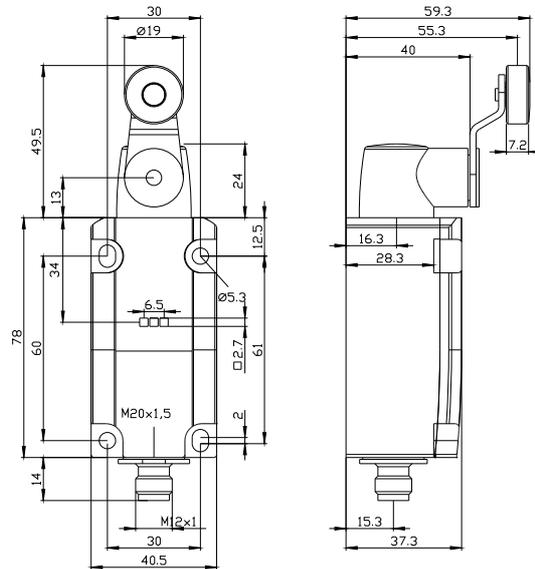
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0CH01-1AC5>

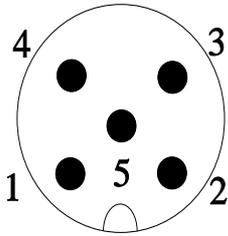
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-0CH01-1AC5>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0CH01-1AC5&lang=en





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

