3SE5114-0CD02-1AC5

Data sheet



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			
• 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	metal		
reference code according to IEC 81346-2	В		
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		
minimum actuating force in directions of actuation	20 N		
length of the sensor	130.5 mm		
width of the sensor	40 mm		
Ambient conditions			
ambient temperature			
 during operation 	-25 +85 °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 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		
nclosure			
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		
rive 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		
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		
stallation/ mounting/ dimensions			
mounting position	any		
fastening method	screw fixing		
onnections/ Terminals			
type of electrical connection	M12 plug, fixed		
design of the interface for safety-related communication	without		
ommunication/ Protocol			
design of the interface	without		
ertificates/ approvals			
	Functional		



Confirmation







Type Examination Certificate

Safety/Safety of Ma-

chinery

Declaration of Conformity

General Product Approval

Test Certificates

other





Type Test Certificates/Test Report

Type Test Certificates/Test Report Confirmation

Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$

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)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5114-0CD02-1AC5}$

Cax online generator

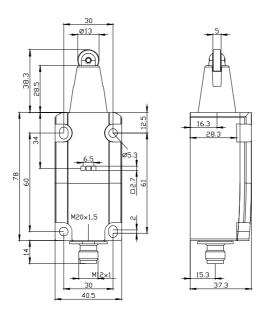
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0CD02-1AC5

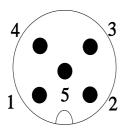
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

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

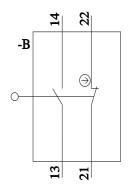
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

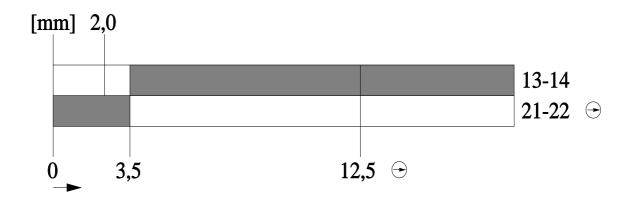
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0CD02-1AC5&lang=er





1	BN = Brown	\rightarrow	21
2	WH = White	\rightarrow	22
3	BU = Blue	\rightarrow	13
4	BK = Black	\rightarrow	14
5	GN/YE = Green/Yellow	\rightarrow	(1)





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