



position switch metal enclosure 40 mm according to EN 50041, 1 NO/1 NC quick action contacts, with 2 LEDs, yellow/green, 24 V DC, roller plunger with stainless steel roller 13 mm pin assignment: Pin1=21, Pin2=22 Pin3=13 and LED green, Pin4=14 and LED yellow, Pin5=ground LED

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
• of the supplied basic switch • of the supplied actuator head for position switches • of the supplied switching contacts	3SE5114-1CA00-0AF3 3SE5000-0AD02 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	0.8 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
electrical endurance (operating 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 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
operating resource protection class	III (according to EN 60536)
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 • during storage	-25 ... +60 °C -40 ... +90 °C
explosion protection category for dust	none

design of the switching contact	mechanical
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
operational current at DC-13	3 A
• at 24 V rated value	

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	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/LED green, Pin 4 = 14/LED yellow, Pin 5 = ground LED

Installation/ mounting/ dimensions

mounting position	any
fastening method	screw fixing

Connections/ Terminals

type of electrical connection	M12 plug, fixed
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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
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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](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

Further information

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)

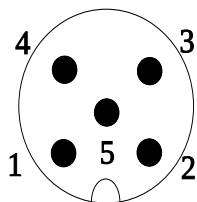
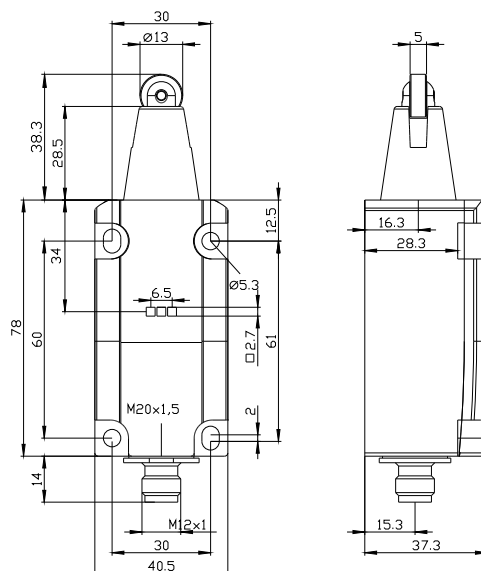
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5114-1CD02-1AF3>

Cax online generator

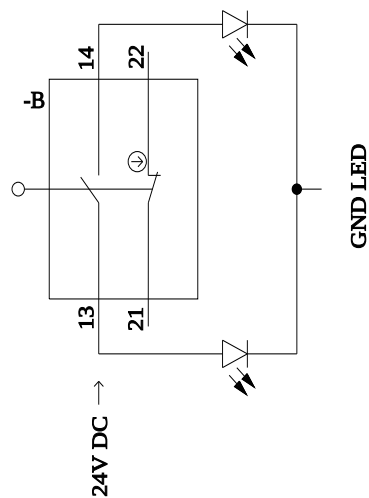
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-1CD02-1AF3>

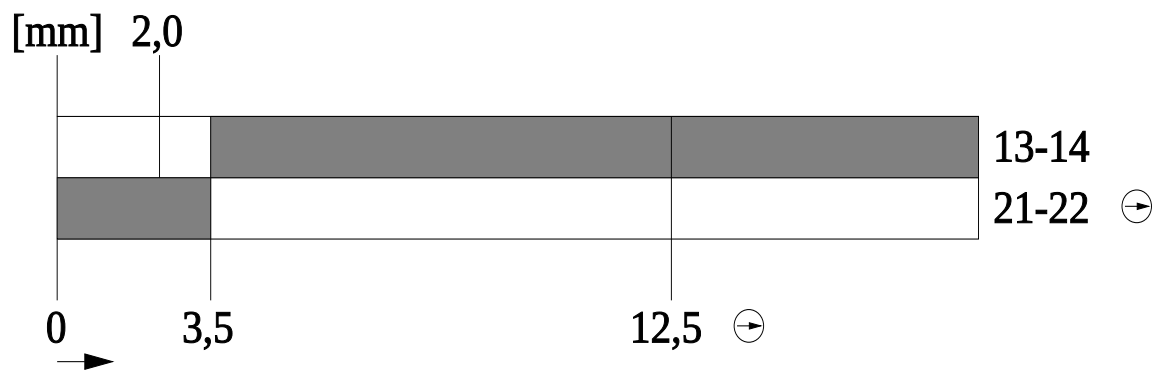
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-1CD02-1AF3>



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





last modified:

1/26/2022 