



Position switch, 3SE5114 Metal enclosure 40 mm with twist lever adjustable-length with Grid hole EN 50041, 1 NO/1 NC quick action contacts with M12 connector, 5-pole, fixed with 2 LEDs, yellow/green, 24 V DC Pin assignment: Pin1=21, Pin2=22 Pin 3=13 + LED green, Pin 4=14 and LED yellow, Pin 5=ground LED

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	• of the supplied basic switch 3SE5114-1CA00-0AF3 • of the supplied actuator head for position switches 3SE5000-0AH00 • of the supplied operating lever 3SE5000-0AA60 • 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	0.8 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	plastic
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 torque in directions of actuation	0.25 N·m
length of the sensor	206 mm
width of the sensor	40 mm
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	
• at 24 V rated value	3 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	Adjustable twist lever, adjustable-length metal lever with latching, 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

Connections/ Terminals

type of electrical connection	M12 plug, fixed
type of connectable conductor cross-sections	• solid 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) • finely stranded with core end processing 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) • at AWG cables solid 1x (20 ... 16), 2x (20 ... 18) • at AWG cables stranded 1x (20 ... 16), 2x (20 ... 18)
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

Communication/ Protocol

design of the interface	without
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Ambient conditions

explosion protection category for dust	none
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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

Installation/ mounting/ dimensions

mounting position	any
fastening method	screw fixing

Certificates/ approvals

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
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[Type Examination Certificate](#)



Declaration of Conformity	Test Certificates	other
Miscellaneous	Type Test Certificates/Test Report	Confirmation

Further information

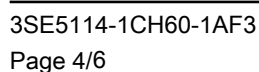
Information- and Downloadcenter (Catalogs, Brochures,...)
<https://www.siemens.com/ic10>

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5114-1CH60-1AF3>

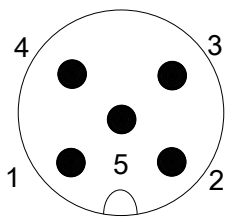
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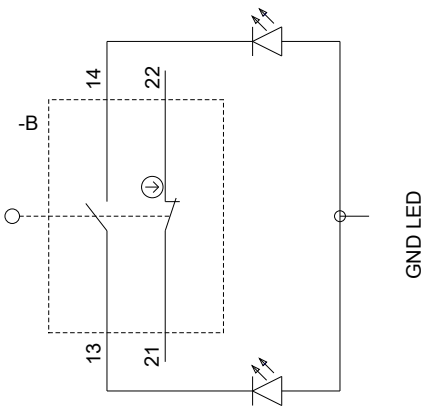
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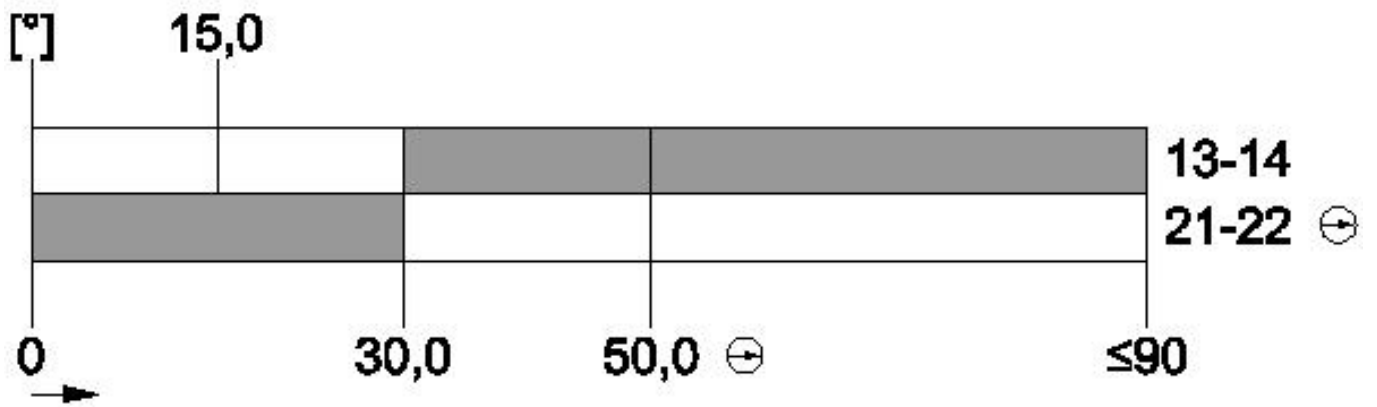


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1	BN = Brown	→	21
2	WH = White	→	22
3	BU = Blue	→	13+LED-Green
4	BK = Black	→	14+LED-Yellow
5	GY = Grey	→	GND LED





last modified:

11/23/2020