SIEMENS

Data sheet 3SE5114-1CA00-1AF5



Basic switch for position switch 3SE51 Metal enclosure 40 mm according to EN 50041 1 NO/1 NC quick action contact with M12 connector, 5-pole, fixed with 2 LEDs, yellow/green, 24 V DC 4 A, without actuator head Pin assignment: Pin1=21+13 Jumper + LED green Pin2=22, Pin3=ground LED Pin4=14 + LED yellow, Pin5=PE

product brand name	SIRIUS
product designation	Mechanical safety switches
product type designation	3SE5
manufacturer's article number	
● 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	
● **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
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	Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7
Weight	0.32 kg
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 ... +60 °C
● during storage	-40 ... +90 °C
explosion protection category for dust	none
Main circuit	
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

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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	Other, without, basic switch with LED and plug
design of the switching function	Positive opening with appropriate positive opening actuator head
circuit principle	snap-action contacts
number of switching contacts safety-related	1
cable entry type	M12 plug
design of plug-in connection	M12 connector, 5-pole: pin 1= terminal 21/13/LED green, pin 2= 22, pin 3= ground LED, pin 4= 14/LED yellow, pin 5= PE
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	M12 plug, fixed
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

Approvals Certificates

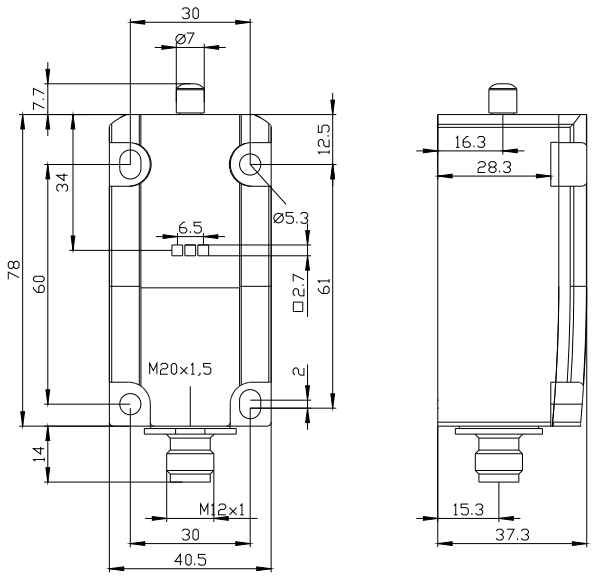
General Product Approval					Functional Saftey
CCC	UKCA	CE EG-Konf.	cULus	EAC	Type Examination Certificate

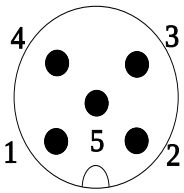
Test Certificates	other		Environment
Type Test Certificates/Test Report	产品合格 QC PASS	Confirmation	Environmental Confirmations

Further information

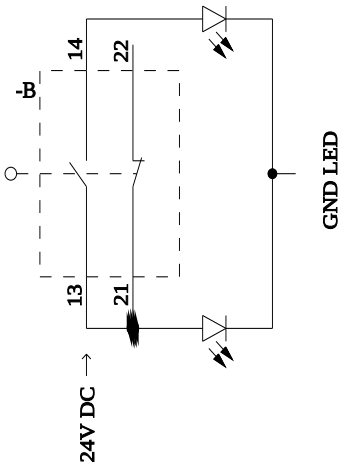
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5114-1CA00-1AF5
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-1CA00-1AF5
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-1CA00-1AF5
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-1CA00-1AF5&lang=en

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1	BN = Brown	→	21
2	WH = White	→	22
3	BU = Blue	→	GND LED
4	BK = Black	→	14+LED-Yellow
5	GN/YE = Green/Yellow	→	⏚
-	-	→	Bridge 13-21
-	-	→	13+LED-Green



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