SIEMENS

Data sheet 3SE5112-0BH50



Position switch Metal enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC slow-action contacts Rotary actuator right/left adjustable with adjustable-length Metal lever 100 mm long and plastic roller 19 mm

product brand name	SIRIUS
product designation	Mechanical position switches
product type designation	3SE5
manufacturer's article number	
● of the supplied basic switch	3SE5112-0BA00
● of the supplied actuator head for position switches	3SE5000-0AH00
● of the supplied operating lever	3SE5000-0AA50
● of the supplied switching contacts	3SE5000-0BA00
● of the supplied empty enclosure with cover	3SE5112-0AA00
General technical data	
product function positive opening	No
insulation voltage rated value	400 V
degree of pollution	class 3
surge voltage resistance rated value	6 kV
protection class IP	IP66/IP67
shock resistance	
● **according to IEC 60068-2-27**	30 g / 11 ms
vibration resistance according to IEC 60068-2-6	0.35 mm/5 g
mechanical service life (operating cycles) typical	15 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	100 000
thermal current	10 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	10 A; for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	6 A
active principle	mechanical
repeat accuracy	0.05 mm
Substance Prohibitance (day/month/year)	07/01/2006
SVHC substance name	Imidazolidine-2-thione (2-imidazoline-2-thiol) CAS-No. 96-45-7
Net Weight	0.337 kg
minimum actuating torque in directions of actuation	0.25 N·m
length of the sensor	192 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

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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	6 A
• at 125 V rated value	6 A
• at 240 V rated value	6 A
• at 400 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
• at 250 V rated value	0.27 A
• at 400 V rated value	0.12 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	Adjustable twist lever, adjustable-length metal lever, plastic roller 19 mm
standard-compliant actuator head	EN 50041, design A
shape of the switch head	roller
circuit principle	slow-action contacts
number of switching contacts safety-related	0
cable entry type	1x (M20 x 1.5)
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
Connections/ Terminals	
type of electrical connection	screw terminal
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)
• for AWG cables solid	1x (20 ... 16), 2x (20 ... 18)
• for AWG cables stranded	1x (20 ... 16), 2x (20 ... 18)
design of the interface for safety-related communication	without
Communication/ Protocol	
design of the interface	without

Approvals Certificates

General Product Approval	Test Certificates
CCC, cULus, EAC, CE EG-Konf., UKCA	Type Test Certificates/Test Report

other	Environment
Confirmation, 产品合格 QC PASS	Environmental Confirmations, EPD

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage

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

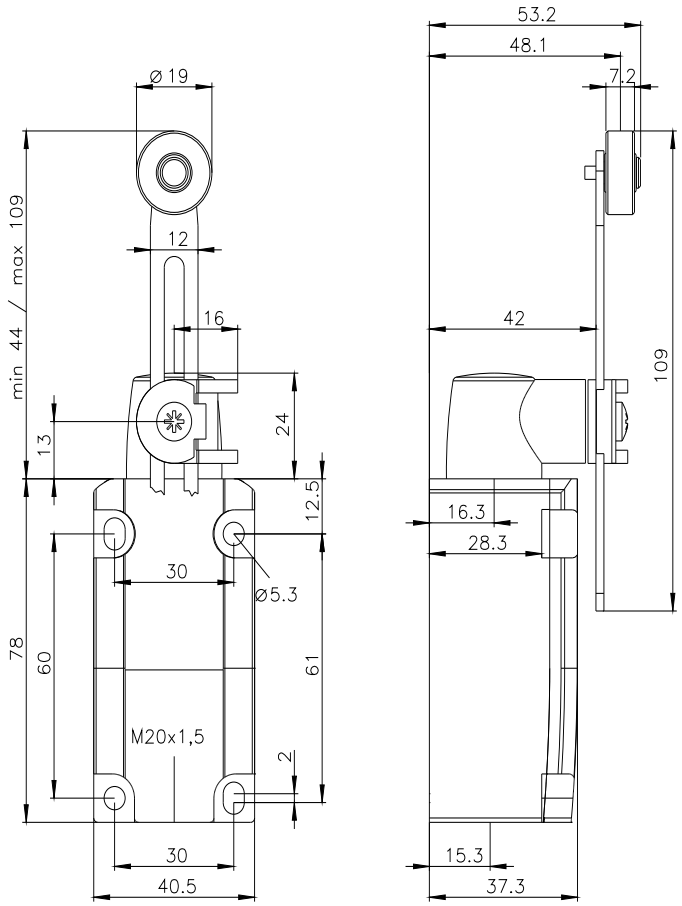
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10

Industry Mall (Online ordering system)
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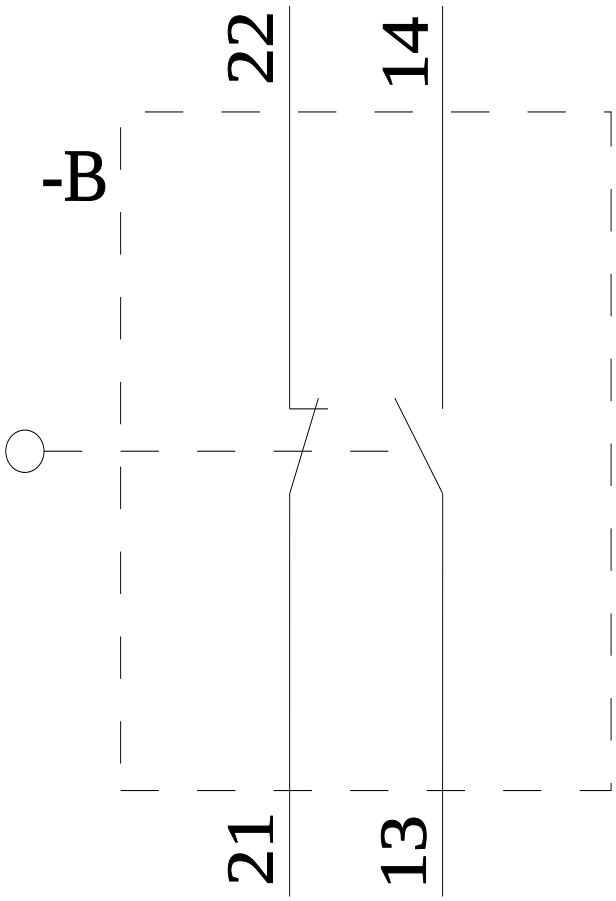
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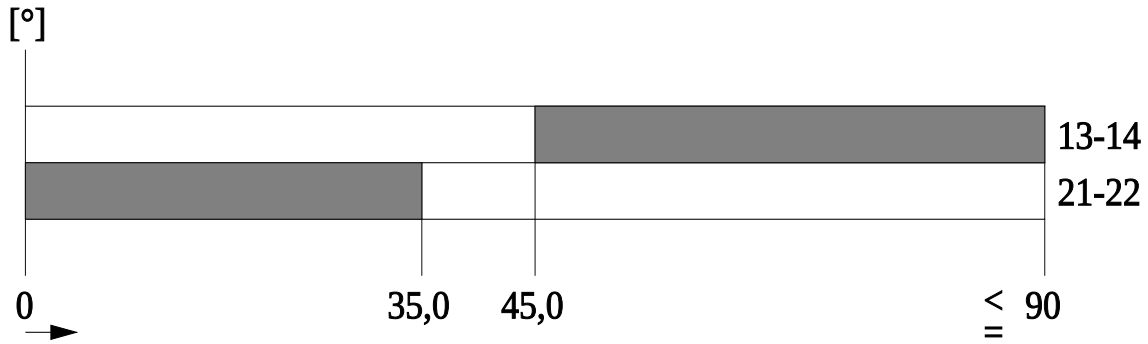
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0BH50

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0BH50&lang=en



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last modified: 4/4/2026

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