



Position switch Metal enclosure according to EN 50047, 31 mm Device connection 1 x (M20 x 1.5) 1 NO/1 NC quick action contacts Roller lever with plastic roller 13 mm

<p>product brand name</p> <p>product designation</p> <p>product type designation</p> <p>manufacturer's article number</p> <ul style="list-style-type: none"> • of the supplied actuator head for position switches • of the supplied switching contacts • of the supplied empty enclosure with cover <p>suitability for use safety switch</p>	<p>SIRIUS</p> <p>Mechanical position switches</p> <p>3SE5</p> <p>3SE5000-0AE10</p> <p>3SE5000-0CA00</p> <p>3SE5212-0AC05</p> <p>Yes</p>
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General technical data

<p>product function positive opening</p> <p>insulation voltage rated value</p> <p>degree of pollution</p> <p>surge voltage resistance rated value</p> <p>protection class IP</p> <p>shock resistance</p> <ul style="list-style-type: none"> • according to IEC 60068-2-27 <p>vibration resistance</p> <ul style="list-style-type: none"> • according to IEC 60068-2-6 <p>mechanical service life (switching cycles) typical</p> <p>electrical endurance (switching cycles) at AC-15 at 230 V typical</p> <p>electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</p> <p>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</p> <p>thermal current</p> <p>material of the enclosure of the switch head</p> <p>reference code according to IEC 81346-2</p> <p>continuous current of the C characteristic MCB</p> <p>continuous current of the quick DIAZED fuse link</p> <p>continuous current of the DIAZED fuse link gG</p> <p>active principle</p> <p>repeat accuracy</p> <p>Substance Prohibitance (Date)</p> <p>minimum actuating force in directions of actuation</p> <p>length of the sensor</p> <p>width of the sensor</p>	<p>Yes</p> <p>400 V</p> <p>class 3</p> <p>6 kV</p> <p>IP66/IP67</p> <p>30g / 11 ms</p> <p>0.35 mm/5g</p> <p>15 000 000</p> <p>100 000</p> <p>10 000 000</p> <p>6 000</p> <p>10 A</p> <p>metal</p> <p>B</p> <p>1 A; for a short-circuit current smaller than 400 A</p> <p>10 A; for a short-circuit current smaller than 400 A</p> <p>6 A</p> <p>mechanical</p> <p>0.05 mm</p> <p>07/01/2006</p> <p>10 N</p> <p>94.4 mm</p> <p>31 mm</p>
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Ambient conditions

<p>ambient temperature</p> <ul style="list-style-type: none"> • during operation • during storage 	<p>-25 ... +85 °C</p> <p>-40 ... +90 °C</p>
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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	6 A
• at 120 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	Roller lever, metal lever, plastic roller
standard-compliant actuator head	EN 50047, design E
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	1x (M20 x 1.5)

Installation/ mounting/ dimensions

mounting position	any
fastening method	screw fixing

Connections/ Terminals

type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• finely stranded with core end processing	1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²)
• at AWG cables solid	1x (20 ... 16), 2x (20 ... 18)
• at 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
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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](#)



EG-Konf.

[Type Test Certificates/Test Report](#)

[Confirmation](#)

Further information

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=3SE5212-0CE10>

Cax online generator

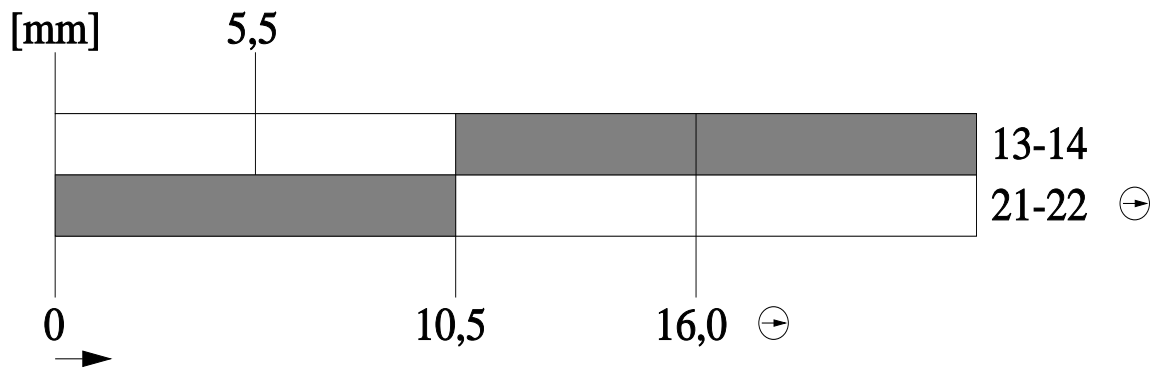
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5212-0CE10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5212-0CE10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5212-0CE10&lang=en



last modified:

3/23/2022 ↻