



Position switch Plastic enclosure according to EN 50047, 31 mm 1 NO/1 NC quick action contacts integrated (not replaceable) with M12 connector, 4-pole Pin assignment: Pin1=21, Pin2=22 Pin3=13, Pin4=14 for max. 250 V and 4 A Twist lever, right and/or left switching can be set with plastic roller 19 mm

|  |  |
|--|--|
| <b>product brand name</b>  | SIRIUS   |
| <b>product designation</b>   | Mechanical position switches                                   |
| <b>product type designation</b>  | 3SE5   |
| <b>manufacturer's article number</b>   |  |
| <ul style="list-style-type: none"> <li>• of the supplied actuator head for position switches</li> <li>• of the supplied operating lever</li> </ul> | <a href="#">3SE5000-0AK00</a><br><a href="#">3SE5000-0AA21</a> |
| suitability for use safety switch  | Yes  |
| <b>General technical data</b>  |  |
| product function positive opening  | Yes  |
| insulation voltage rated value   | 250 V  |
| <b>degree of pollution</b>   | class 3  |
| <b>surge voltage resistance rated value</b>  | 3 kV   |
| <b>protection class IP</b>   | IP65   |
| <b>shock resistance</b>  |  |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-27</li> </ul>  | 30g / 11 ms  |
| <b>vibration resistance</b>  |  |
| <ul style="list-style-type: none"> <li>• according to IEC 60068-2-6</li> </ul>   | 0.35 mm/5g   |
| mechanical service life (switching cycles) typical   | 15 000 000   |
| electrical endurance (switching cycles) at AC-15 at 230 V typical  | 100 000  |
| <b>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</b>                                   | 6 000  |
| <b>thermal current</b>   | 4 A  |
| <b>material of the enclosure of the switch head</b>  | plastic  |
| <b>reference code according to IEC 81346-2</b>   | B  |
| <b>continuous current of the C characteristic MCB</b>  | 1 A; for a short-circuit current smaller than 400 A            |
| <b>continuous current of the quick DIAZED fuse link</b>  | 4 A; for a short-circuit current smaller than 400 A            |
| <b>continuous current of the DIAZED fuse link gG</b>   | 4 A  |
| <b>active principle</b>  | mechanical   |
| <b>repeat accuracy</b>   | 0.05 mm  |
| <b>Substance Prohibitance (Date)</b>   | 07/01/2006   |
| <b>minimum actuating torque in directions of actuation</b>   | 0.25 N·m   |
| <b>length of the sensor</b>  | 125.3 mm   |
| <b>width of the sensor</b>   | 31 mm  |
| <b>design of the switching contact</b>   | mechanical   |
| <b>operating frequency rated value</b>   | 50 ... 60 Hz   |
| <b>number of NC contacts for auxiliary contacts</b>  | 1  |
| <b>number of NO contacts for auxiliary contacts</b>  | 1  |
| <b>operational current at AC-15</b>  |  |

|   |         |
|---|---------|
| <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 125 V rated value</li> <li>• at 240 V rated value</li> </ul> | 4 A     |
| <b>operational current at DC-13</b>   |         |
| <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 125 V rated value</li> <li>• at 250 V rated value</li> </ul> | 3 A     |
|   | 0.55 A  |
|   | 0.27 A  |
| design of the interface for safety-related communication  | without |

|   |               |
|---|---------------|
| <b>Enclosure</b>                            |               |
| design of the housing                       | block, narrow |
| material of the enclosure                   | plastic       |
| coating of the enclosure                    | Other types   |
| design of the housing according to standard | Yes           |

|   |  |
|---|--|
| <b>Drive Head</b>                           |  |
| design of the actuating element             | Twist lever, metal lever, 21 mm long, straight, plastic roller 19 mm |
| standard-compliant actuator head            | EN 50047, design A   |
| shape of the switch head                    | roller   |
| design of the switching function            | positive opening, integrated   |
| circuit principle                           | snap-action contacts   |
| number of switching contacts safety-related | 1  |

|                               |   |
|-------------------------------|---|
| <b>Connections/ Terminals</b> |   |
| type of electrical connection | M12 plug, fixed   |
| cable entry type              | M12 plug  |
| design of plug-in connection  | M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 13, Pin 4 = 14 |

|                                |         |
|--------------------------------|---------|
| <b>Communication/ Protocol</b> |         |
| design of the interface        | without |

|  |                |
|--|----------------|
| <b>Ambient conditions</b>  |                |
| ambient temperature  |                |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul> | -25 ... +85 °C |
|  | -40 ... +90 °C |
| explosion protection category for dust   | none           |

|   |              |
|---|--------------|
| <b>Installation/ mounting/ dimensions</b> |              |
| mounting position                         | any          |
| fastening method                          | screw fixing |

|                                |  |
|--------------------------------|--|
| <b>Certificates/ approvals</b> |  |
| General Product Approval       |  |



[Confirmation](#)



|                                       |                           |                   |       |
|---------------------------------------|---------------------------|-------------------|-------|
| Functional Safety/Safety of Machinery | Declaration of Conformity | Test Certificates | other |
|---------------------------------------|---------------------------|-------------------|-------|

[Type Examination Certificate](#)



EG-Konf.

[Type Test Certificates/Test Report](#)

[Type Test Certificates/Test Report](#)

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Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

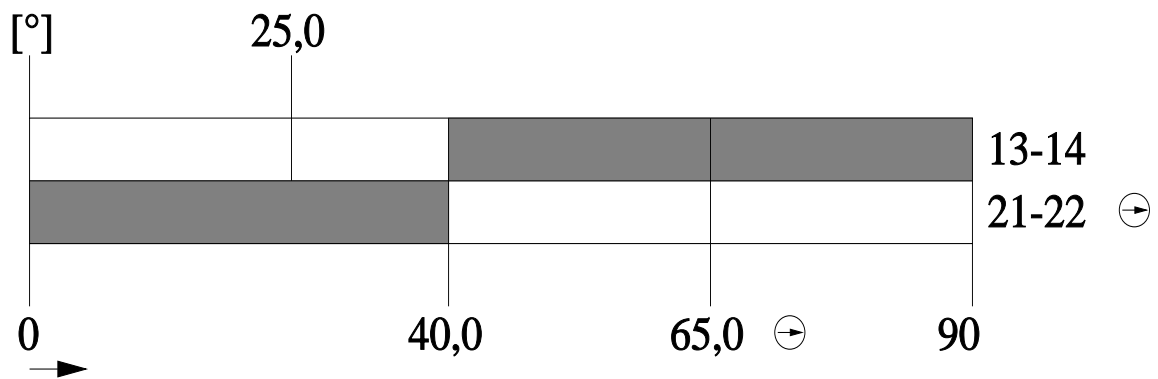
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3SE5234-0HK21-1AC4>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SE5234-0HK21-1AC4>

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



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