



Position switch Metal enclosure 40 mm according to EN 50041 1 NO/1 NC quick action contacts with 2 LEDs, yellow/green, 24 V DC Rotary actuator right and/or left adjustable, metal lever 27 mm long and Stainless steel roller 19 mm Pin assignment: Pin1=21, Pin2=22 Pin3=13 and LED green, Pin4=14 and LED yellow, Pin5=ground LED

|                                                       |                                                     |
|-------------------------------------------------------|-----------------------------------------------------|
| product brand name                                    | SIRIUS                                              |
| product designation                                   | Mechanical position switches                        |
| product type designation                              | 3SE5                                                |
| manufacturer's article number                         |                                                     |
| • of the supplied basic switch                        | <a href="#">3SE5114-1CA00-0AF3</a>                  |
| • of the supplied actuator head for position switches | <a href="#">3SE5000-0AH00</a>                       |
| • of the supplied operating lever                     | <a href="#">3SE5000-0AA02</a>                       |
| • of the supplied switching contacts                  | <a href="#">3SE5000-0CA00</a>                       |
| suitability for use safety switch                     | Yes                                                 |
| <b>General technical data</b>                         |                                                     |
| 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                                         |
| mechanical service life (operating cycles) typical    | 15 000 000                                          |
| thermal current                                       | 4 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      | 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                                             |
| operating resource protection class                   | III (according to EN 60536)                         |
| Substance Prohibittance (Date)                        | 07/01/2006                                          |
| SVHC substance name                                   | Lead - 7439-92-1                                    |
| Weight                                                | 0.359 kg                                            |
| minimum actuating torque in directions of actuation   | 0.25 N·m                                            |
| length of the sensor                                  | 141.5 mm                                            |
| width of the sensor                                   | 40 mm                                               |
| <b>Ambient conditions</b>                             |                                                     |
| ambient temperature                                   |                                                     |
| • during operation                                    | -25 ... +60 °C                                      |
| • during storage                                      | -40 ... +90 °C                                      |
| explosion protection category for dust                | none                                                |
| 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                                                                                                                |
| <b>Enclosure</b>                                                  |                                                                                                                    |
| 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                                                                                                                |
| <b>Drive Head</b>                                                 |                                                                                                                    |
| design of the actuating element                                   | Twist lever, metal lever, 27 mm long, step 9 mm, high-grade steel 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                                                                                                                  |
| 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 |
| <b>Installation/ mounting/ dimensions</b>                         |                                                                                                                    |
| mounting position                                                 | any                                                                                                                |
| fastening method                                                  | screw fixing                                                                                                       |
| <b>Connections/ Terminals</b>                                     |                                                                                                                    |
| type of electrical connection                                     | M12 plug, fixed                                                                                                    |
| <b>Supply voltage</b>                                             |                                                                                                                    |
| 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                                                                                                            |
| <b>Communication/ Protocol</b>                                    |                                                                                                                    |
| design of the interface                                           | without                                                                                                            |
| <b>Approvals Certificates</b>                                     |                                                                                                                    |
| <b>General Product Approval</b>                                   |                                                                                                                    |



[Confirmation](#)



| Functional Safety                                                                   | Test Certificates                                  | other                                              | Environment                                 |
|-------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------------|
|  | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Confirmation</a>                |
|                                                                                     |                                                    |                                                    | <a href="#">Environmental Confirmations</a> |

#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### 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=3SE5114-1CH02-1AF3>

##### Cax online generator

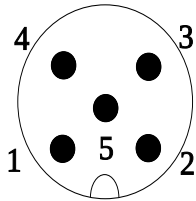
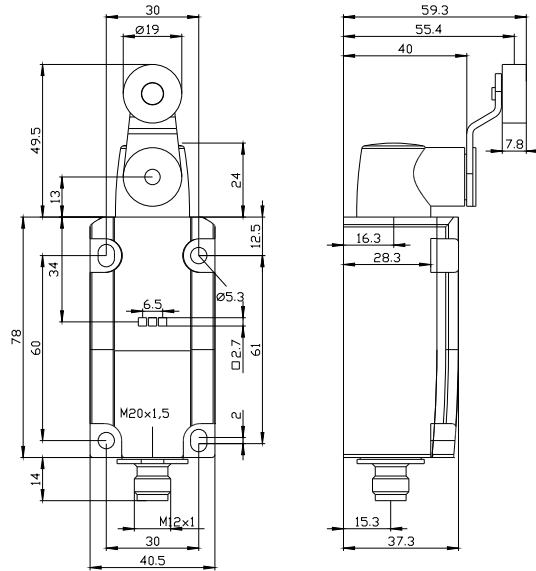
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-1CH02-1AF3>

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

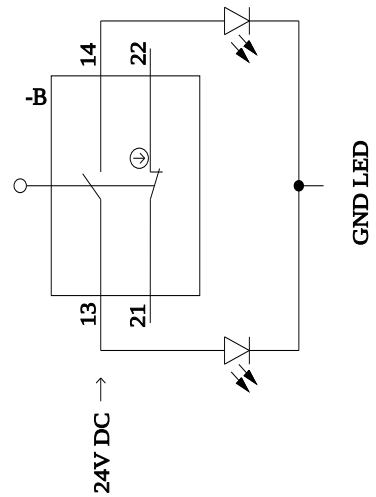
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-1CH02-1AF3>

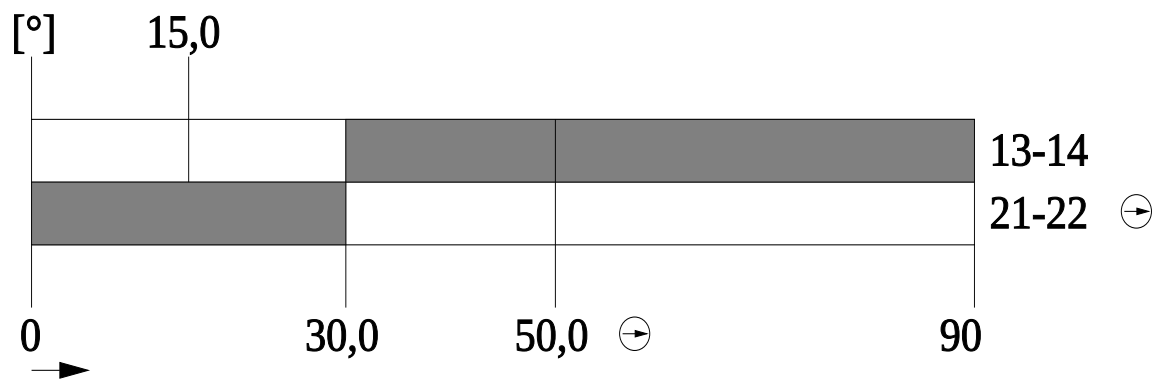
##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5114-1CH02-1AF3&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-1CH02-1AF3&lang=en)



|   |            |   |               |
|---|------------|---|---------------|
| 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       |





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