

Siemens  
EcoTech



Key-operated switch BKS, 22 mm, round, metal, shiny, Lock No. E9 (VW), without key, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O, Z=50-unit packaging



|                                                    |                                  |
|----------------------------------------------------|----------------------------------|
| product brand name                                 | SIRIUS ACT                       |
| product designation                                | Key-operated switches            |
| design of the product                              | Actuating/signaling element      |
| product type designation                           | 3SU1                             |
| product line                                       | Metal, shiny, 22 mm              |
| Actuator                                           |                                  |
| principle of operation of the actuating element    | latching, 90° (10:30 h/13:30 h)  |
| product extension optional light source            | No                               |
| color                                              |                                  |
| • of the actuating element                         | silver                           |
| material of the actuating element                  | metal                            |
| shape of the actuating element                     | Key                              |
| outer diameter of the actuating element            | 29.5 mm                          |
| number of switching positions                      | 2                                |
| switch position for key distraction                | O                                |
| actuating angle                                    |                                  |
| • clockwise                                        | 90°                              |
| lock make                                          | BCS                              |
| key number                                         | E9                               |
| Front ring                                         |                                  |
| product component front ring                       | Yes                              |
| design of the front ring                           | Standard                         |
| material of the front ring                         | Metal, high gloss                |
| color of the front ring                            | silver                           |
| General technical data                             |                                  |
| protection class IP                                | IP66, IP67, IP69(IP69K)          |
| • of the terminal                                  | IP20                             |
| degree of protection NEMA rating                   | 1, 2, 3, 3R, 4, 4X, 12, 13       |
| shock resistance                                   |                                  |
| • according to IEC 60068-2-27                      | sinusoidal half-wave 15g / 11 ms |
| vibration resistance                               |                                  |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5g                |
| operating frequency maximum                        | 1 800 1/h                        |
| mechanical service life (operating cycles) typical | 300 000                          |
| reference code according to IEC 81346-2            | S                                |
| Substance Prohibitance (Date)                      | 10/01/2014                       |
| Ambient conditions                                 |                                  |

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>ambient temperature</b>                                     |                                                                    |
| • during operation                                             | -25 ... +70 °C                                                     |
| • during storage                                               | -40 ... +80 °C                                                     |
| environmental category during operation according to IEC 60721 | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%) |

#### Environmental footprint

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| Environmental Product Declaration (EPD)                | Yes             |
| Global Warming Potential [CO2 eq] total                | 0.593 kg        |
| Global Warming Potential [CO2 eq] during manufacturing | 0.625 kg        |
| Global Warming Potential [CO2 eq] during operation     | 0.235 kg        |
| Global Warming Potential [CO2 eq] after end of life    | -0.267 kg       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

#### Installation/ mounting/ dimensions

|                                             |         |
|---------------------------------------------|---------|
| height                                      | 29.5 mm |
| width                                       | 29.5 mm |
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 56.3 mm |
| installation width                          | 29.5 mm |
| installation depth                          | 25.4 mm |

#### Approvals Certificates

| General Product Approval | Test Certificates |
|--------------------------|-------------------|
|--------------------------|-------------------|



[Confirmation](#)



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

| Marine / Shipping | other | Environment |
|-------------------|-------|-------------|
|-------------------|-------|-------------|



[Confirmation](#)



#### Environment

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#### 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=3SU1050-5TF01-0AA0-Z X90>

Cax online generator

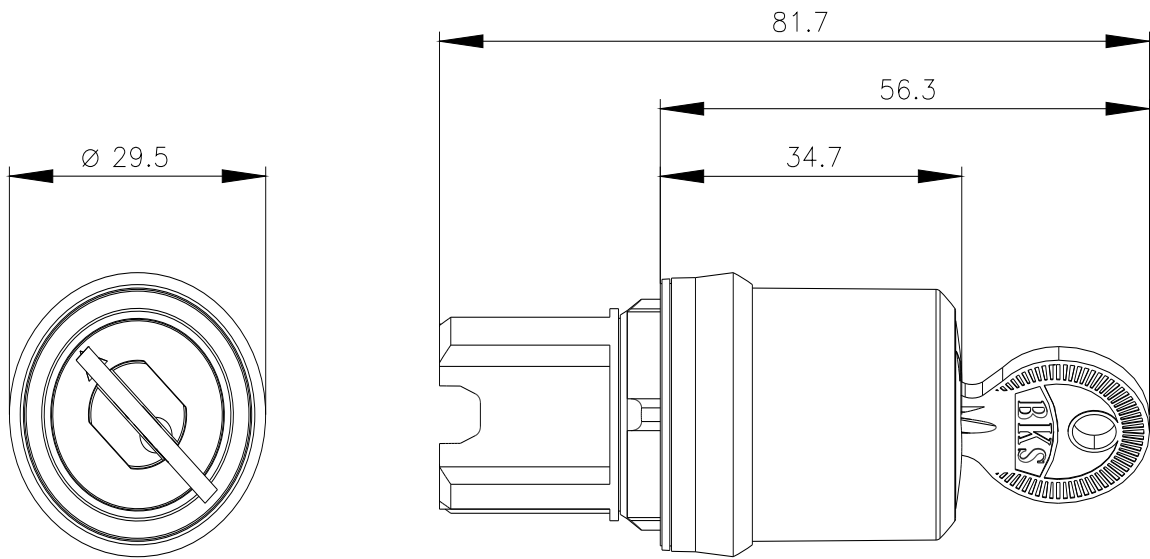
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5TF01-0AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5TF01-0AA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1050-5TF01-0AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5TF01-0AA0-Z X90&lang=en)



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