## **SIEMENS**

## **Data sheet**



Key-operated switch O.M.R, 22 mm, round, metal, shiny, lock number 73038, blue, with 2 keys, 2 switch positions O-I, latching, actuating angle  $90^{\circ}$ , 10:30h/13:30h, key removal O+I, Z=50-unit packaging

| product designation Key-operated switches Actuating/signaling element Product type designation SSU1 SSU1950-0F.J50-0AA0 Actuatory article number of included key SSU1950-0F.J50-0AA0 Actuator Principle of operation of the actuating element Included key outer diameter of the actuating element Included key outer diameter of the actuating element Included key Includ   | product brand name                                 | SIRIUS ACT                       |
|--|--|----------------------------------|
| design of the product product type designation product tine manufacturer's article number of included key  **SU1950-0FJ50-0AA0  **Actuator**  **Principle of operation of the actuating element   latching, 90" (10:30 h/13:30 h) product extension optional light source   No    **Of the actuating element   blue    **actuating element   blue    **actuating element   metal    **shape of the actuating element   Key    **outer diameter of the actuating element   29.5 mm    **suntch position for key distraction   O+I    **actuating angle    **olockwise   90"    **lock make   O.M.R.    **key number   73038    **product component front ring   Yes    **design of the front ring   Metal, high gloss    **color of the front ring   Metal, high gloss    **color of the front ring   P20    **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 60068-2-6   10 500 Hz: 5g    **operating frequency maximum   1800 1/h    **mechanical service life (switching cycles) typical    **mechanical service life (switching cycles) typical    **reference code according to IEC 81346-2   S    **Substance Prohibitance (Date)   100/1/2014  | •  | Key-operated switches            |
| product type designation product tine Metal, shiny, 22 mm manufacturer's article number of included key 3SU1950-0FJ50-0AA0  Actuator  principle of operation of the actuating element product extension optional light source No of the actuating element product extension optional light source No of the actuating element product extension optional light source No of the actuating element product extension optional light source No of the actuating element product extension optional light source No of the actuating element product extension product extension product of the actuating element product product extension product of the actuating element product product of the actuating element product product of the actuating element product pr   |  |                                  |
| product line Metal, shiny, 22 mm manufacturer's article number of included key  Actuator  principle of operation of the actuating element latching, 90° (10:30 h/13:30 h)  product extension optional light source No  of the actuating element blue material of the actuating element metal shape of the actuating element Ekey outer diameter of the actuating element 29.5 mm number of switching positions 2 switch position for key distraction O+I actuating angle o+ clockwise 90° lock make O.M.R. key number 73038  Front ring  product component front ring Yes design of the front ring Metal, high gloss color of the front ring Standard material of the front ring Silver  Soneral technical data  protection class IP   |  |                                  |
| Manufacturer's article number of included key  Actuator  principle of operation of the actuating element product extension optional light source No  color  of the actuating element blue blue material of the actuating element (Key)  outer diameter of the actuating (Key)  actuating angle  outer diameter of the actuating (Key)  color of the front ring (Key)  outer diameter of the actuating (Key)  actuating angle  outer diameter of the actuating (Key)  actuating angle  velockwise  outer diameter of the actuating (Key)  actuating angle  velockwise  outer diameter of the actuating (Key)  outer diameter of the actuating (Key)  actuating angle  velockwise  outer diameter of the actuating (Key)  outer diameter of the actuating (Key)  outer diameter of the actuating (Key)  outer diameter of the actuating element (Key)  out   |  | Metal, shiny, 22 mm              |
| principle of operation of the actuating element product extension optional light source color  | manufacturer's article number of included key      | ·                                |
| product extension optional light source color of the actuating element shape of the actuating element switch positions 2 switch position for key distraction o+I actuating angle o+clockwise 90° lock make O.M.R. key number 73038  Front ring product component front ring Standard material of the front ring Metal, high gloss color of the front ring silver  General technical data protection class IP of the terminal lP20 degree of protection NEMA rating 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 mechanical service life (switching cycles) typical reference code according to IEC 813446-2 S Substance Prohibitance (Date) 10/01/2014   | Actuator   |                                  |
| color  | principle of operation of the actuating element    | latching, 90° (10:30 h/13:30 h)  |
| of the actuating element metal 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 0+I actuating angle o clockwise 90° lock make 0.M.R. key number 73038 Front ring  product component front ring Yes design of the front ring Metal, high gloss color of the front ring sliver  General technical data  protection class IP of the terminal IP20 degree of protection NEMA rating 1P20 degree of protection NEMA rating 1P20 according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance o according to IEC 60068-2-6 10 500 Hz: 5g  Operating frequency maximum 1800 1/h mechanical service life (switching cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10 500 Hz: 5g  Substance Prohibitance (Date) 10.01/2014  | product extension optional light source            | No                               |
| material of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions 2 switch position for key distraction 0+I actuating angle • clockwise 90° lock make 0.M.R. key number 73038  Front ring  product component front ring Standard material of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the front ring 1P20  General technical data  protection class IP • of the terminal IP20 degree of protection NEMA rating 1P20 degree of protection NEMA rating 5 sinusoidal half-wave 15g / 11 ms  vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g Operating frequency maximum 1800 1/h mechanical service life (switching cycles) typical 7 service 100/1/2014   | color  |                                  |
| shape of the actuating elementKeyouter diameter of the actuating element29.5 mmnumber of switching positions2switch position for key distraction0+Iactuating angle0-Clockwisee clockwise90°lock make0.M.R.key number73038Front ringproduct component front ringYesdesign of the front ringStandardmaterial of the front ringMetal, high glosscolor of the front ringsilverGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)e of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistanceaccording to IEC 60068-2-27sinusoidal half-wave 15g / 11 msvibration resistanceaccording to IEC 60068-2-610 500 Hz: 5goperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical300 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014  | <ul> <li>of the actuating element</li> </ul>       | blue                             |
| outer diameter of the actuating element number of switching positions  switch position for key distraction  actuating angle  | material of the actuating element                  | metal                            |
| number of switching positions  switch position for key distraction  actuating angle  | shape of the actuating element                     | Key                              |
| switch position for key distraction  actuating angle   | outer diameter of the actuating element            | 29.5 mm                          |
| actuating angle  | number of switching positions                      | 2                                |
| e clockwise 90° lock make O.M.R. key number 73038  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 (switching cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014  | switch position for key distraction                | O+I                              |
| lock make O.M.R. key number 73038  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 (switching cycles) typical 300 000 reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014   | actuating angle                                    |                                  |
| ront ring  product component front ring design of the front ring material of the front ring color of the front ring gilver  General technical data  protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance (Date) Sundand Standard Metal, high gloss Standard Metal, high gloss slandard Metal, high gloss sliver Meta   | • clockwise  | 90°                              |
| product component front ring  design of the front ring  material of the front ring  Color of the front ring  Metal, high gloss  color of the front ring  Silver  General technical data  Protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  wibration resistance  according to IEC 60068-2-6  operating frequency maximum  nechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  | lock make  | O.M.R.                           |
| product component front ring  design of the front ring  material of the front ring  Color of the front ring  Silver  General technical data  protection class IP  of the terminal  lP20  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  vibration resistance  according to IEC 60068-2-6  poperating frequency maximum  nechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)   | key number   | 73038                            |
| design of the front ring  material of the front ring  color of the front ring  general technical data  protection class IP of the terminal  degree of protection NEMA rating shock resistance according to IEC 60068-2-27  vibration resistance according to IEC 60068-2-6  operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2  Substance Prohibitance (Date)  Standard  Metal, high gloss  IP66, IP67, IP69(IP69K)  IP20  IP2   | Front ring   |                                  |
| material of the front ring color of the front ring  General technical data  protection class IP of the terminal lP20  degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Metal, high gloss silver  Metal, high gloss silver  Metal, high gloss silver  Metal, high gloss silver  IP66, IP67, IP69(IP69K) IP20  IP20  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance according to IEC 60068-2-67 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 1 800  | product component front ring                       | Yes                              |
| color of the front ring  General technical data  protection class IP  of the terminal  degree of protection NEMA rating  shock resistance  according to IEC 60068-2-27  vibration resistance  according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  silver  sil   | design of the front ring                           | Standard                         |
| protection class IP  | material of the front ring                         | Metal, high gloss                |
| protection class IP  of the terminal  lP20  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance of according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  vibration resistance of according to IEC 60068-2-6  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  | color of the front ring                            | silver                           |
| ● of the terminal  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 (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  IP20  1, 2, 3, 3R, 4, 4X, 12, 13  1 ms  | General technical data                             |                                  |
| degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  | protection class IP                                | IP66, IP67, IP69(IP69K)          |
| shock resistance   | of the terminal                                    | IP20                             |
| ◆ 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 (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  sinusoidal half-wave 15g / 11 ms  10 500 Hz: 5g  | degree of protection NEMA rating                   | 1, 2, 3, 3R, 4, 4X, 12, 13       |
| vibration resistance   | shock resistance                                   |                                  |
| ● according to IEC 60068-2-6  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  10 500 Hz: 5g  300 000  \$ 1 800 1/h  \$ 1 | according to IEC 60068-2-27                        | sinusoidal half-wave 15g / 11 ms |
| operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  1 800 1/h  300 000  reference code according to IEC 81346-2  S   | vibration resistance                               |                                  |
| mechanical service life (switching cycles) typical 300 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  | according to IEC 60068-2-6                         | 10 500 Hz: 5g                    |
| reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014   | operating frequency maximum                        | 1 800 1/h                        |
| Substance Prohibitance (Date) 10/01/2014   | mechanical service life (switching cycles) typical | 300 000                          |
|  | reference code according to IEC 81346-2            | S                                |
| Ambient conditions   | Substance Prohibitance (Date)                      | 10/01/2014                       |
|  | oubstance i folibitance (bate)                     |                                  |
| ambient temperature  | Ambient conditions                                 |                                  |

| <ul><li>during operation</li></ul>                             | -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%) |  |
| 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  | 51.7 mm  |  |
| installation width   | 29.5 mm  |  |
| installation depth   | 25.4 mm  |  |
| Certificates/ approvals  |  |  |
| 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=3SU1050-4GF11-0AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-4GF11-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-4GF11-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1050-4GF11-0AA0-Z X90&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1050-4GF11-0AA0-Z X90&lang=en</a>

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