SIEMENS

Data sheet



key-operated switch Siemens, 22 mm, round, plastic with metal front ring, special lock, with 2 keys, 3 switch positions I>O<II, momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, key removal O

product designation design of the product product type designation product line Actuating/signaling element 3SU1 Plastic with metal front ring, matt, 22 mm Actuator principle of operation of the actuating element product extension optional light source of the actuating element material of the actuating element shape of the actuating element shape of the actuating element couter diameter of the actuating element number of switching positions switch position for key distraction actuating angle oclockwise anticlockwise anticlockwise anticlockwise front ring product component front ring design of the front ring material of the front ring material of the front ring material of the front ring Metal, matt color of the front ring General technical data
product type designation product line Plastic with metal front ring, matt, 22 mm Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element number of switching positions switch position for key distraction actuating angle oclockwise anticlockwise lock make Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the front ring sand gray 3SU1 Plastic with metal front ring, matt, 22 mm momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides No No Close No No No No Silver metal silver metal skey outer diameter of the actuating element yes suffer of the actuating element yes silver metal skey Outer diameter of the actuating element yes silver metal silver metal skey Outer diameter of the actuating element yes suffer of the actuating element yes suffer of the actuating element yes silver metal silver
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material of the front ring Metal, matt color of the front ring sand gray
color of the front ring sand gray
General technical data
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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
• for railway applications according to EN 61373 Category 1, Class B
vibration resistance
• according to IEC 60068-2-6 10 500 Hz: 5g
• for railway applications according to EN 61373 Category 1, Class B
operating frequency maximum 1 800 1/h
mechanical service life (switching cycles) typical 1 000 000
reference code according to IEC 81346-2
Substance Prohibitance (Date) 10/01/2014

B10 value with high demand rate according to SN 31920	500 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	20 %
 with high demand rate according to SN 31920 	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
ambient temperature	
 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%)
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	61 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=3SU1030-5BM01-0AA0-Z Y01

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5BM01-0AA0-Z Y01
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BM01-0AA0-Z Y01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5BM01-0AA0-Z Y01&lang=en

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