SIEMENS

Data sheet



key-operated switch Siemens, 22 mm, round, plastic with metal front ring, special lock, with 2 keys, 2 switch positions O-I, latching, actuating angle $90^\circ,\,10:\!30h/13:\!30h,$ key removal O+I

product designation design of the product Actuating/signaling element 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 sulver material of the actuating element with a count element sulver outer diameter of the actuating element number of switching positions 2 switch position for key distraction actuating angle clockwise lock make Front ring product component front ring design of the front ring design of the front ring material of the front ring design of the front ring Actuating design of the front ring design of the front ring sand gray Ceneral technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-7 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 operating frequency maximum latching/signaling element actuating, signaling element plasts witch metal front ring, matt, 22 mm Actuating, matt, 22 mm Actuating, matt, 22 mm Actuating, matt, 22 mm Actuating, moth, 13:30 h) plasts witch metal front ring, 48 leaching, 90° (10:30 h/13:30 h) plasts witch metal front ring, 51 leaching, 90° (10:30 h/13:30 h) plasts witch metal front ring, 48 leaching, 90° (10:30 h/13:30 h) plasts witch metal front ring, 90° (10:30 h/13:30	product brand name	SIRIUS ACT
product type designation product line Actuator 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 silver material of the actuating element shape of the actuating element outer diameter of the actuating element product diameter of the actuating element outer diameter of the actuating element element element element outer diameter of the actuating element	product designation	Key-operated switches
product line Plastic with metal front ring, matt, 22 mm Actuator principle of operation of the actuating element product extension optional light source No color • of the actuating element silver material of the actuating element Key outer diameter of the actuating element Sampe of the actuating element No outer diameter of the actuating element Seys mm number of switching positions 2 switch position for key distraction O+I actuating angle • clockwise lock make Siemens Front ring product component front ring Standard material of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Sand gray General technical data protection class IP • of the terminal IP20 degree of protection NEMA rating Shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 Vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B Vicinity (10:30 h/13:30 h) Iatching, 90° (10:30 h/13:30 h) Iatching, 90° (10:30 h/13:30 h) Iatching, 90° (10:30 h/13:30 h) Iatching, 90° (10:30 h/13:30 h) Iatching, 90° (10:30 h/13:30 h) Iatching, 90° (10:30 h/13:30 h) Iatching, 90° (10:30 h/13:30 h) Interval actuating show (10:30 h/13:30 h) Interval actuating show (10:30 h/13:30 h) Iatching, 90° (10:30 h/13:30 h) Interval actuating show (10:30 h/13:30 h) Interv	design of the product	Actuating/signaling element
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 shape of the actuating element wetal shape of the actuating element shape of the actuating positions 2 switch in position for key distraction actuating angle e clockwise lock make Siemens Front ring product component front ring design of the front ring material of the front ring sand gray General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance e according to IEC 60068-2-27 e for railway applications according to EN 61373 Value (10:30 h/13:30 h) No (10:30 h/13:30	product type designation	3SU1
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 wetal shape of the actuating element shape of the actuating element youter diameter of the actuating element number of switching positions switch position for key distraction actuating angle clockwise lock make siemens Front ring product component front ring design of the front ring material of the front ring sand gray General technical data protection class IP of the terminal legree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 Latch Hall Should be solved the second of	product line	Plastic with metal front ring, matt, 22 mm
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• of the actuating element material of the actuating element shape of the actuating element shape of the actuating element were diameter of the actuating element number of switching positions 2 switch position for key distraction o+I actuating angle clockwise 90° lock make Front ring product component front ring design of the front ring material of the front ring sand gray General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	product extension optional light source	No
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outer diameter of the actuating element number of switching positions 2 switch position for key distraction actuating angle ● clockwise lock make Front ring product component front ring design of the front ring material of the front ring color of the front ring sand gray General technical data protection class IP ● of the terminal degree of protection NEMA rating shock resistance ● according to IEC 60068-2-27 ● for railway applications according to EN 61373 vibration resistance ● according to IEC 60068-2-6 ● for railway applications according to EN 61373 Category 1, Class B vice of the terminal category 1, Class B vibration resistance ● according to IEC 60068-2-6 ● for railway applications according to EN 61373 Category 1, Class B	material of the actuating element	metal
number of switching positions switch position for key distraction actuating angle clockwise go° lock make Front ring product component front ring 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 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B vibration resistance for railway applications according to EN 61373 category 1, Class B category 1, Class B Category 1, Class B	shape of the actuating element	Key
switch position for key distraction actuating angle • clockwise 90° lock make Front ring product component front ring 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 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B yibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B	outer diameter of the actuating element	29.5 mm
actuating angle	number of switching positions	2
oclockwise lock make Siemens Front ring product component front ring 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 oaccording to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance oaccording to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	switch position for key distraction	O+I
lock make Front ring product component front ring design of the 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 o according to IEC 60068-2-27 of railway applications according to EN 61373 vibration resistance o according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	actuating angle	
Front ring product component front ring 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 o according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance o according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	• clockwise	90°
product component front ring design of the front ring material of the front ring Metal, matt color of the front ring Standard Metal, matt color of the front ring sand gray General technical data protection class IP of the terminal IP20 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 of or railway applications according to EN 61373 Category 1, Class B vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	lock make	Siemens
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 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 Standard Metal, matt Standard Metal, matt Standard Metal, matt Sand gray IP66, IP67, IP69(IP69K) IP20 1, 2, 3, 3R, 4, 4X, 12, 13 Shock resistance according to IEC 60068-2-7 sinusoidal half-wave 15g / 11 ms Category 1, Class B vibration resistance of according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B	Front ring	
material of the front ring color of the front ring sand gray General technical data protection class IP of the terminal degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of or railway applications according to EN 61373 vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B Category 1, Class B	product component front ring	Yes
color of the front ring General technical data protection class IP	design of the front ring	Standard
protection class IP of the terminal lp20 degree of protection NEMA rating shock resistance of according to IEC 60068-2-27 of to railway applications according to EN 61373 vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B vibration resistance of according to IEC 60068-2-6 of or railway applications according to EN 61373 Category 1, Class B	material of the front ring	Metal, matt
protection class IP	color of the front ring	sand gray
● of the terminal degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance ● according to IEC 60068-2-27 ● for railway applications according to EN 61373 vibration resistance ● according to IEC 60068-2-6 ● according to IEC 60068-2-6 ● for railway applications according to EN 61373 Category 1, Class B 10 500 Hz: 5g ● for railway applications according to EN 61373 Category 1, Class B	General technical data	
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	protection class IP	IP66, IP67, IP69(IP69K)
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	of the terminal	IP20
 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 	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
 ◆ for railway applications according to EN 61373 Category 1, Class B vibration resistance ◆ according to IEC 60068-2-6 ◆ for railway applications according to EN 61373 Category 1, Class B Category 1, Class B 	shock resistance	
vibration resistance ● according to IEC 60068-2-6 10 500 Hz: 5g ● for railway applications according to EN 61373 Category 1, Class B	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
 according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B 	 for railway applications according to EN 61373 	Category 1, Class B
• for railway applications according to EN 61373 Category 1, Class B	vibration resistance	
	 according to IEC 60068-2-6 	10 500 Hz: 5g
operating frequency maximum 1 800 1/h	 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	mechanical service life (switching cycles) typical	1 000 000
reference code according to IEC 81346-2 S	reference code according to IEC 81346-2	S
Substance Prohibitance (Date) 10/01/2014	Substance Prohibitance (Date)	10/01/2014
Safety related data	Safety related data	
B10 value with high demand rate according to SN 31920 100 000	B10 value with high demand rate according to SN 31920	100 000

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=3SU1030-5BF11-0AA0-Z Y01

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-5BF11-0AA0-Z Y01

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BF11-0AA0-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=3SU1030-5BF11-0AA0-Z Y01&lang=en

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