SIEMENS

Data sheet



Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, long, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, with laser labeling, upper case and lower case, always upper case at the beginning of the word

product type designation design of the product product type designation product type designation product type designation product type designation product tine Plastic, black, 22 mm Plastic, bl	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm Enclosure number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional • light source • contact module color of the actuating element material of the actuating element plastic shape of the actuating element marking of the actuating element marking of the actuating element marking of the actuating element cuter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element with capital letters number of switching positions 2 actuating angle • clockwise 90° Front ring product component front ring design of the front ring design of the front ring plastic color of the front ring plastic color of the front ring design of the actuating element New Yes design of the front ring plastic design of the front ring plastic color of the front ring plastic color of the front ring plastic black General technical data protection class IP 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 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum mechanical service life (switching cycles) typical 1 000 000	product designation	Selector switches
product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element product extension optional listching, 90° (10:30 h/13:30 h) **Iight source Yes **contact module Yes color of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element with capital letters all words start with capital letters number of switching positions 2 actuating angle **clockwise 90° Front ring product component front ring design of the front ring plastic General technical data protection nEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance **according to IEC 60068-2-6 **or railway applications according to EN 61373 operating frequency maximum product one point in source is shore in sistance **according to IEC 60068-2-6 **or railway applications according to EN 61373 operating frequency maximum 18 800 1/h mechanical service life (switching cycles) typical 1000 000 1 Actuating angle yes leaders and the supplications according to EN 61373 operating frequency maximum 18 800 1/h mechanical service life (switching cycles) typical 1000 000	design of the product	Actuating/signaling element
Enclosure number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional • light source • contact module color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element color of switching positions actuating angle • clockwise Front ring product component front ring design of the front ring color of the front ring design of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring design of the front ring color of the front ring product component front ring design of the front ring color of the front ring protection class IP for 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 operating frequency maximum protechanical service life (switching cycles) typical 1 2000000 1 2 4 4.8 mm Attaile A	product type designation	3SU1
number of command points Actuator design of the actuating element principle of operation of the actuating element latching, 90° (10:30 h/13:30 h) product extension optional • light source Yes • contact module Yes color of the actuating element white material of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 2 actuating angle • clockwise 90° product component front ring Yes design of the front ring plastic color of the front ring black Ceneral technical data protection class IP IP66, IP67, IP69(IP69K) 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 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Operating frequency maximum mechanical service life (switching cycles) typical 1 2000 1000 1000 1000 1000 1000 1000 1	product line	Plastic, black, 22 mm
Actuator design of the actuating element selector, long latching, 90° (10:30 h/13:30 h) principle of operation of the actuating element latching, 90° (10:30 h/13:30 h) latching, 90° (10:30 h/13:30 h)	Enclosure	
design of the actuating element principle of operation of the actuating element product extension optional • light source • contact module color of the actuating element material of the actuating element white material of the actuating element shape of the actuating element couter diameter of the actuating element marking of the actuating element marking of the actuating element cuter diameter of switching positions 2 actuating angle • clockwise Front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-7 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical selector, long latching, 90° (10:30 h/13:30 h) latching, 90° (10:30 h/13:30 h/13:30 h/13 latching, 90° (10:30 h/13:30	number of command points	1
principle of operation of the actuating element product extension optional	Actuator	
product extension optional • light source • contact module color of the actuating element material of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions actuating angle • clockwise product component front ring product component front ring design of the front ring material of the front ring plastic color of the front ring general technical data protection class IP 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 operating frequency maximum nechanical service life (switching cycles) typical	design of the actuating element	selector, long
● light source ● contact module Color of the actuating element material of the actuating element marking of the actuating element number of switching positions actuating angle ● clockwise Front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance ● according to IEC 60068-2-6 ● for railway applications according to EN 61373 operating frequency maximum lassic yibration resistance ● according to IEC 60068-2-6 ● for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical white white white white Handle Customized labeling, text in lower case / capital letters, all words start with capital 44.8 mm At 45.9 me Yes design of the front ring plose yes standard plose standard plose standard plastic black General technical data protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-7 for railway applications according to EN 61373 Category 1, Class B Operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical	principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
color of the actuating element white material of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element 44.8 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 2 actuating angle clockwise 90° Front ring product component front ring standard material of the front ring plastic color of the front ring black General technical data protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-6 sinusoidal half-wave 15g / 11 ms ofor 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	product extension optional	
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions actuating angle elockwise Front ring product component front ring design of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance eaccording to IEC 60068-2-27 efor railway applications according to EN 61373 vibration resistance eaccording to IEC 60068-2-6 efor railway applications according to EN 61373 operating frequency maximum nechanical service life (switching cycles) typical white Handle plastic Customized labeling, text in lower case / capital letters, all words start with capital letters 2 44.8 mm 44.8 mm 44.8 mm 44.8 mm 44.8 mm 44.8 mm 2 Sandard yeating letters 1 44.8 mm Yes standard plastic standard plastic plastic standard plastic plastic standard	light source	Yes
material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions actuating angle clockwise 90° Front ring product component front ring design of the front ring color of the front ring black General technical data protection class IP 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 operating frequency maximum nechanical service life (switching cycles) typical 14.8 mm 44.8 mm Customized labeling, text in lower case / capital letters, all words start with capital letters 44.8 mm 44.8 mm Passing Handle 44.8 mm Handle 44.8 mm Lett in lower case / capital letters, all words start with capital letters, all words start with capital letters 1	contact module	Yes
shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 2 actuating angle	color of the actuating element	white
outer diameter of the actuating element 44.8 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 2 actuating angle clockwise 90° Front ring product component front ring Yes design of the front ring standard material of the front ring plastic color of the front ring black General technical data protection class IP IP66, IP67, IP69(IP69K) 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 o for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g o 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	material of the actuating element	plastic
marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters 2 actuating angle	shape of the actuating element	Handle
number of switching positions actuating angle • clockwise 90° Front ring product component front ring design of the front ring material of the front ring color of the front ring plastic color of the front ring Black General technical data protection class IP 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 operating frequency maximum nechanical service life (switching cycles) typical with capital letters 2 actuating angle 90° Pes 48 48 48 48 49 49 40 40 40 40 40 40 40 40	outer diameter of the actuating element	44.8 mm
actuating angle	marking of the actuating element	
• clockwise 90° Front ring product component front ring Yes design of the front ring standard material of the front ring plastic color of the front ring black General technical data protection class IP IP66, IP67, IP69(IP69K) 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 • 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	number of switching positions	2
product component front ring design of the front ring material of the front ring plastic color of the front ring general technical data protection class IP 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 according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical	actuating angle	
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design of the front ring material of the front ring plastic color of the front ring black General technical data protection class IP IP66, IP67, IP69(IP69K) 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 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	Front ring	
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color of the front ring General technical data protection class IP 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 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • 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	design of the front ring	standard
protection class IP 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical IP66, IP67, IP69(IP69K) 1, 2, 3, 3R, 4, 4X, 12, 13 sinusoidal half-wave 15g / 11 ms Category 1, Class B Category 1, Class B 10 500 Hz: 5g Category 1, Class B	material of the front ring	plastic
protection class IP 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 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 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	color of the front ring	black
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	General technical data	
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	protection class IP	IP66, IP67, IP69(IP69K)
 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 	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
 for railway applications according to EN 61373 Vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Operating frequency maximum mechanical service life (switching cycles) typical Category 1, Class B Category 1, Class B 1 800 1/h 1 000 000 	shock resistance	
vibration resistance	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 operating frequency maximum mechanical service life (switching cycles) typical 1 800 1/h 1 000 000 	 for railway applications according to EN 61373 	Category 1, Class B
 ◆ 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 	vibration resistance	
operating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000	according to IEC 60068-2-6	10 500 Hz: 5g
mechanical service life (switching cycles) typical 1 000 000	 for railway applications according to EN 61373 	Category 1, Class B
3 37 11 3 37 11 3 3 37 11 3 3 3 3 3 3 3	operating frequency maximum	1 800 1/h
reference code according to IEC 81346-2	mechanical service life (switching cycles) typical	1 000 000
	reference code according to IEC 81346-2	S

Substance Prohibitance (Date)	10/01/2014
Safety related data	
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	44.8 mm
width	44.8 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	28.8 mm
installation width	44.8 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=3SU1002-2CF60-0AA0-Z Y15

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2CF60-0AA0-Z Y15

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2CF60-0AA0-Z Y15

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1002-2CF60-0AA0-Z Y15&lang=en

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