SIEMENS

Data sheet



Selector switch, illuminable, 22 mm, round, plastic, red, selector switch, short, 3 switch positions I-O<II, left latching, right momentary contact type, actuating angle $2x45^{\circ}$, 10:30h/12h/13:30h, with laser labeling, lower case

product designation design of the product product type designation product extension options I Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional I light source C onlact module Yes Coolor of the actuating element plastic shape of the actuating element product extension optional Use display of the actuating element plastic shape of the actuating element plastic shape of the actuating element C outer dismeter of the actuating element product extension options 3 actuating angle C obsciving S of the actuating element plastic shape of the actuating element C ustomized labeling, text in lower case letters number of switching positions actuating angle C obsciving S of the actuating element product component front ring ground component front ring product component front ring product component front ring plastic color of the front ring plastic color of the front ring plastic plack General technical data protection class IP degree of protection NEMA rating shock resistance a according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance a coording to IEC 60068-2-6 for railway applications according to EN 61373 vibration resistance a coording to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B Category 1, Class B Category 1, Class B Category 1, Class B	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 injit source contact module ves color of the actuating element shape of the actuating element plastic shape of the actuating element marking of the actuating element marking of the actuating element mumber of switching positions actuating angle clockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise black General technical data 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 Selector, short slack, 22 mm slack, 245° (10:30 h/12 h/13:30 h), return from right, left latching red contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching red red taching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching red atching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching red ves ves contact module ves ves ves contact module ves ves contact nodule ves ves ves contact nodule ves ves contact nodule ves color of the actuating element slack	product designation	Selector switches
product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element ight, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element Sulameter of the actuating element Customized labeling, text in lower case letters number of switching positions 3 actuating angle • clockwise 45° Front ring product component front ring Standard material of the front ring plastic color of the front ring color of the front ring plastic color of the front ring color of the front ring plastic color of the front ring color of the front ring plastic color of the front ring color of the front ring plastic color of the front ring color of the front ring plastic color of the front ring color of the front ring plastic color of the front ring color of the front ri	design of the product	Actuating/signaling element
number of command points Actuator design of the actuating element principle of operation of the actuating element latching/momentary contact, 2x45" (10:30 h/12 h/13:30 h), return from right, left latching light source	product type designation	3SU1
number of command points Actuator	product line	Plastic, black, 22 mm
Actuator design of the actuating element Selector, short Iatching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching Fortion optional Ight source Yes Y	Enclosure	
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principle of operation of the actuating element product extension optional light source color of the actuating element plastic shape of the actuating element material of the actuating element marking of the actuating element marking of the actuating element customized labeling, text in lower case letters number of switching positions actuating angle clockwise anticlockwise 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 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 person tring product component front of the form resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from ring right, left latching yes Yes Yes 40 40 40 40 40 40 40 40 40 4	Actuator	
right, left latching product extension optional light source contact module Yes 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 Customized labeling, text in lower case letters number of switching positions actuating angle clockwise actuating angle clockwise shape of the front ring product component front ring feesing of the front ring product component front ring product component front ring product component front ring plastic color of the front ring plastic color of the front ring protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms 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 1 800 1/	design of the actuating element	Selector, short
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shape of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions actuating angle	color of the actuating element	red
outer diameter of the actuating element marking of the actuating element number of switching positions actuating angle • clockwise • anticlockwise • anticlockwise 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 operating frequency maximum 32.3 mm Customized labeling, text in lower case letters 32.3 mm Customized labeling, text in lower case letters 32.3 mm Customized labeling, text in lower case letters 45° 45° 45° 45° 45° 45° 45° 45	material of the actuating element	plastic
marking of the actuating element number of switching positions actuating angle clockwise anticlockwise anticlockwise 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 60068-2-27 for railway applications according to EN 61373 operating frequency maximum Customized labeling, text in lower case letters 3 Customized labeling, text in lower case letters 45° 45° Front ring Yes 45° Front ring yes standard plastic black General technical data protection class IP IP66, IP67, IP69(IP69K) 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms Category 1, Class B Operating frequency maximum 1 800 1/h	shape of the actuating element	Handle
number of switching positions actuating angle • clockwise • anticlockwise 45° 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 operating frequency maximum 3 45° 45° 45° 45° 45° 45° 45°	outer diameter of the actuating element	32.3 mm
actuating angle clockwise clockwise anticlockwise 45° 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 sinusoidal half-wave 15g / 11 ms category 1, Class B vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 operating frequency maximum 1 800 1/h 45° 45° 45° 45° 45° 45° 45° 45	marking of the actuating element	Customized labeling, text in lower case letters
oclockwise	number of switching positions	3
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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 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	Front ring	
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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	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 vibration resistance 10 500 Hz: 5g category 1, Class B operating frequency maximum 1 800 1/h	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 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 perating frequency maximum 1 800 1/h	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	General technical data	
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for railway applications according to EN 61373 vibration resistance	shock resistance	
vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 operating frequency maximum 1 800 1/h	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 operating frequency maximum 10 500 Hz: 5g Category 1, Class B 1 800 1/h 	 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	vibration resistance	
operating frequency maximum 1 800 1/h	according to IEC 60068-2-6	10 500 Hz: 5g
	 for railway applications according to EN 61373 	Category 1, Class B
mechanical service life (switching cycles) typical 1 000 000	operating frequency maximum	1 800 1/h
	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	300 000
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	32.3 mm
width	32.3 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	32.3 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=3SU1002-2BN20-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BN20-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BN20-0AA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BN20-0AA0-Z Y12&lang=en

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