SIEMENS

Data sheet



Selector switch, illuminable, 22 mm, round, plastic, blue, 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 line Plastic, black, 22 mm Enclosure number of command points Actuator design of the actuating element principle of operation of the actuating element • light source • contact module color of the actuating element material of the actuating element shape of the actuating element plastic shape of the actuating element marking of switching positions actuating angle • clockwise Selector, short Selector, short Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching Yes Yes Yes 10:30 h/12 h/13:30 h), return from right, left latching Plastic Selector, short Interval actuating element blue yes Colockwise Customized labeling, text in lower case letters 32.3 mm Customized labeling, text in lower case letters 3 actuating angle • clockwise	n of the product ct type designation ct line ure er of command points or n of the actuating element ple of operation of the actuating element ct extension optional light source	Actuating/signaling element 3SU1 Plastic, black, 22 mm Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from
product type designation 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 latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source contact module color of the actuating element material of the actuating element blue 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	ct type designation ct line ure er of command points or n of the actuating element ple of operation of the actuating element ct extension optional light source	3SU1 Plastic, black, 22 mm 1 Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from
product line Enclosure 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 product extension optional Ight source yes contact module yes color of the actuating element blue material of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case letters number of switching positions actuating angle	ct line ure er of command points or n of the actuating element ple of operation of the actuating element ct extension optional light source	Plastic, black, 22 mm 1 Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from
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 shape of the actuating element plastic shape of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions actuating angle	er of command points or of the actuating element ple of operation of the actuating element ct extension optional light source	Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from
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 shape of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions actuating angle Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching Yes Yes Ves blue plastic Handle Outer diameter of the actuating element Customized labeling, text in lower case letters 1	er of command points or of the actuating element ple of operation of the actuating element ct extension optional light source	Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from
Actuator Selector, short principle of operation of the actuating element Iatching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional Yes ● light source Yes ● contact module Yes color of the actuating element blue material of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case letters number of switching positions 3 actuating angle Actuating actual actua	n of the actuating element ple of operation of the actuating element ct extension optional light source	Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from
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 shape of the actuating element marking of the actuating element marking of the actuating element mumber of switching positions actuating angle Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching Yes Yes Yes color of the actuating element plastic Handle 32.3 mm Customized labeling, text in lower case letters 1 actuating angle	n of the actuating element ple of operation of the actuating element ct extension optional light source	latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from
principle of operation of the actuating element latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional	ple of operation of the actuating element ct extension optional ight source	latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from
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	ct extension optional ight source	
● light source ● contact module 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 letters number of switching positions actuating angle	ight source	
● contact module 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 number of switching positions actuating angle Yes blue plastic Handle 32.3 mm Customized labeling, text in lower case letters 3 actuating angle		
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 number of switching positions actuating angle blue plastic 32.3 mm Customized labeling, text in lower case letters 3 actuating angle	contact module	Yes
material of the actuating element shape of the actuating element Handle outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case letters number of switching positions actuating angle		Yes
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	of the actuating element	blue
outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case letters number of switching positions 3 actuating angle 3	al of the actuating element	plastic
marking of the actuating element Customized labeling, text in lower case letters number of switching positions actuating angle	of the actuating element	Handle
number of switching positions 3 actuating angle	diameter of the actuating element	32.3 mm
actuating angle	ng of the actuating element	Customized labeling, text in lower case letters
	er of switching positions	3
• clockwise 45°	ing angle	
	clockwise	45°
• anticlockwise 45°	anticlockwise	45°
Front ring		
product component front ring Yes	ct component front ring	Yes
design of the front ring standard	n of the front ring	standard
material of the front ring plastic	al of the front ring	plastic
color of the front ring black	of the front ring	black
General technical data		
protection class IP IP66, IP67, IP69(IP69K)	tion class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	e of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	resistance	
• according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373 Category 1, Class B	or railway applications according to EN 61373	Category 1, Class B
vibration resistance	on resistance	
• according to IEC 60068-2-6 10 500 Hz: 5g	according to IEC 60068-2-6	10 500 Hz: 5g
• for railway applications according to EN 61373 Category 1, Class B		Category 1, Class B
operating frequency maximum 1 800 1/h	for railway applications according to EN 61373	1 800 1/h
mechanical service life (switching cycles) typical 1 000 000		1 000 1/11

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=3SU1002-2BN50-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BN50-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BN50-0AA0-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=3SU1002-2BN50-0AA0-Z Y12&lang=en

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