SIEMENS

Data sheet



Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, short, 3 switch positions I-O<II, left latching, right momentary contact type, actuating angle $2x45^{\circ}$, 10:30h/12h/13:30h Z=50-unit packaging

product designation design of the product ye designation product type designation product line Plastic, black, 22 mm Plastic, black, 22 mm Plastic, black, 22 mm Plastic, black, 22 mm Plastic, black, 22 mm Inumber of command points Actuator design of the actuating element principle of operation of the actuating element principle of operation of the actuating element Selector, short	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm Plastic, black, 22 mm	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 is latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional Ight source Yes color of the actuating element white material of the actuating element plastic shape of the actuating element plastic shape of the actuating element actuating element actuating alement actuating angle Ichockwise 45° actuating angle Ichockwise 45° actuating angle Ichockwise 45° Front ring product component front ring the front ring plastic design of the front ring plastic color of the front ring black General technical data protection class IP (P66, IP67, IP69(IP69K)) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-6 accord	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 latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source color of the actuating element white material of the actuating element pushed in the actuating element shape 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 60068-2-6 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	product type designation	3SU1
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 light source	product line	Plastic, black, 22 mm
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 under of dimeter of the actuating element number of switching positions actuating angle • clockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise front ring product component front ring design of the front ring color of the front ring design of the actuating element plastic standard material of the actuating element plastic standard protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B Ves Selector, short latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching middliching/momentary contact, 2x45° (10:30 h/12 h/13:30 h/12 h/13:3	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 shape of the actuating element plastic shape of the actuating element outer diameter of the actuating element 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 design 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 Category 1, Class B Ves latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching Yes 4 ** Yes 4 ** 4	number of command points	1
principle of operation of the actuating element product extension optional ight, left latching Yes contact module color of the actuating element material 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 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 Lack gills in the first ring product case IP for railway applications according to EN 61373 latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching right, left latching Yes Ves white yes 45° 45° 45° 45° 45° 45° 45° 45	Actuator	
right, left latching product extension optional light source contact module yes color of the actuating element white material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle clockwise anticlockwise shape of the front ring product component front ring design of the front ring material of the front ring material 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 category 1, Class B vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B	design of the actuating element	Selector, short
● contact module Color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle • clockwise • anticlockwise • anticlockwise • anticlock of the front ring product component front ring design of the front ring material 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 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 Category 1, Class B	principle of operation of the actuating element	
colarity module color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element outer diameter of switching positions actuating angle clockwise enticlockwise 45° enticlockwise 45° Front ring product component front ring design of the front ring material of the front ring color of the front ring color of the front ring plastic color of the front ring design of the front ring color of the front ring plastic color of the front ring descending to Economical data 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 Category 1, Class B viaguations v	product extension optional	
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle e clockwise anticlockwise front ring product component front ring design of the front ring material of the front ring color of the front ring material of the front ring glack General technical data protection class IP degree of protection NEMA rating shock resistance e according to IEC 60068-2-27 e for railway applications according to EN 61373 vibration resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373 viagan white plastic standard protection of the front ring black leaves the front ring leaves th	light source	Yes
material of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle e clockwise anticlockwise 45° e anticlockwise 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 glastic color of the front ring black General technical data protection class IP degree of protection NEMA rating shock resistance e according to IEC 60068-2-27 e for railway applications according to EN 61373 vibration resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373 Category 1, Class B	contact module	Yes
shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle clockwise anticlockwise anticlockwise 45° 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 Category 1, Class B Value 45° 45° 45° 45° 45° 45° 45° 45	color of the actuating element	white
outer diameter of the actuating element number of switching positions actuating angle e clockwise anticlockwise 45° anticlockwise 45° 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 ibrarian sinusoidal half-wave 15g / 11 ms category 1, Class B vibration resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373 actuating as 23.3 mm 32.3 mm 32.3 mm 32.3 mm 45° 45° 45° 45° 45° 45° 45° 45° 45° 45°	material of the actuating element	plastic
number of switching positions actuating angle	shape of the actuating element	Handle
actuating angle	outer diameter of the actuating element	32.3 mm
• clockwise • anticlockwise • anticlockwise 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 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	number of switching positions	3
anticlockwise 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 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 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 Category 1, Class B	actuating angle	
product component front ring design of the front ring material 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 Product 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	• clockwise	45°
product component front ring 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 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	anticlockwise	45°
design of the front ring material 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 Category 1, Class B vibration resistance • for railway applications according to EN 61373 Category 1, Class B Category 1, Class B	Front ring	
material of the front ring color of the front ring black General technical data protection class IP IP66, IP67, IP69(IP69K) 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	product component front ring	Yes
color of the front ring 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 • 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	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 • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B 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 • 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	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	General technical data	
shock resistance	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 	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 	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
4.000.4%	 for railway applications according to EN 61373 	Category 1, Class B
operating frequency maximum 1 800 1/n	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
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=3SU1002-2BN60-0AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BN60-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BN60-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1002-2BN60-0AA0-Z X90&lang=en

last modified: 1/26/2022 🖸