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 Z=50-unit packaging

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 principle of operation of the actuating element Selector, short Itaching/momentary contact, 2x45" (10:30 h/12 h/13:30 h), return from right, left latching Power of the actuating element Selector, short Itaching/momentary contact, 2x45" (10:30 h/12 h/13:30 h), return from right, left latching Product extension optional Ves Ves	product brand name	SIRIUS ACT	
product type designation product line Plastic, black, 22 mm The product extension options Include textension optional Include texten	product designation	Selector switches	
product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element Selector, short principle of operation of the actuating element right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching product extension optional light source Yes coolor of the actuating element red material of the actuating element plastic shape of the actuating element 32.3 mm number of switching positions 3 actuating angle clockwise 45° anticlockwise 45° anticlockwise 45° front ring yerduct component front ring standard material of the front ring plastic color of the front ring plastic color of the front ring plastic shape of the actuating element plastic color of the front ring color of the front ring color of the front ring 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 10 500 Hz: 5g	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 Yes	product type designation	3SU1	
number of command points Actuator design of the actuating element principle of operation of the actuating element elight source contact module color of the actuating element material of the actuating element product extension optional elight source contact module red material of the actuating element shape of the actuating element publicular of switching positions actuating angle clockwise elickwise elickwise elickwise elickwise front ring product component front ring design of the front ring color of the front ring plastic color of the front ring design of the front ring black General technical data protection class IP degree of protection NEMA rating shock resistance elickwise according to IEC 60068-2-67 elickwise according to IEC 60068-2-6 10 500 Hz: 5g	product line	Plastic, black, 22 mm	
Actuator design of the actuating element principle of operation of the actuating element elight source ocontact module color of the actuating element material of the actuating element product extension optional elight source ocontact module red material of the actuating element shape of the actuating element plastic shape of the actuating element such diameter of the actuating element number of switching positions actuating angle clockwise articlockwise articlockwise front ring product component front ring design of the front ring glastic 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 plastic 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 10 500 Hz: 5g	Enclosure		
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	number of command points	1	
principle of operation of the actuating element product extension optional ilight source color of the actuating element material of the actuating element number of switching positions actuating angle clockwise anticlockwise anticlockwise anticlockwise front ring product component front ring design of the front ring color of the front ring protection class IP degree of protection NEMA rating vibration resistance according to IEC 60068-2-6 according to IEC 60068-2-6 10 500 Hz: 5g	Actuator		
right, left latching product extension optional • light source • contact module Color of the actuating element material of 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 general technical data protection class IP degree of protection NEMA rating **Pes **Index **		Selector, short	
elight source econtact module Yes 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 eclockwise enticlockwise enticlockwise 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 design 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 10 500 Hz: 5g	principle of operation of the actuating element		
color of the actuating element red material of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element actuating angle clockwise anticlockwise anticlockwise Front ring product component front ring design of the front ring material of the front ring design of the front ring plastic color of the front ring degreat 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 10 500 Hz: 5g	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 oclockwise anticlockwise front ring product component front ring product component 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 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 10 500 Hz: 5g	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	contact module	Yes	
shape of the actuating element outer diameter of the actuating element number of switching positions actuating angle e clockwise anticlockwise 45° anticlockwise 45° front ring product component front ring group of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance e according to IEC 60068-2-6 i Name of the final size of	color of the actuating element	red	
outer diameter of the actuating element 32.3 mm number of switching positions 3 actuating angle clockwise anticlockwise 45° 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 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	material of the actuating element	plastic	
number of switching positions actuating angle	shape of the actuating element	Handle	
actuating angle • clockwise • anticlockwise 45° 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 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g	outer diameter of the actuating element	32.3 mm	
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 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 10 500 Hz: 5g	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 black General technical data protection class IP lP66, 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 10 500 Hz: 5g	actuating angle		
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 10 500 Hz: 5g	• 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 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 10 500 Hz: 5g	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 lP66, 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 10 500 Hz: 5g	Front ring	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 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 10 500 Hz: 5g	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 10 500 Hz: 5g	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 10 500 Hz: 5g	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 10 500 Hz: 5g	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	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	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 	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
• for railway applications according to EN 61373	shock resistance		
vibration resistance ● according to IEC 60068-2-6 10 500 Hz: 5g	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms	
• according to IEC 60068-2-6 10 500 Hz: 5g	 for railway applications according to EN 61373 	Category 1, Class B	
	vibration resistance		
• for railway applications according to EN 61373 Category 1 Class B	according to IEC 60068-2-6	10 500 Hz: 5g	
outlegery 1, older b	 for railway applications according to EN 61373 	Category 1, Class B	
operating frequency maximum 1 800 1/h	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	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 X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BN20-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BN20-0AA0-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=3SU1002-2BN20-0AA0-Z X90&lang=en

last modified: 1/26/2022 🖸