SIEMENS

Data sheet



Selector switch, illuminable, 22 mm, round, plastic, red, selector switch, short, 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 beginning of line

product designation design of the product 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 product extension optional light source	product brand name	SIRIUS ACT	
product type designation product line Enclosure number of command points 1 Actuator design of the actuating element principle of operation of the actuating element latching, 90° (10:30 h/13:30 h) light source Yes contact module Yes color of the actuating element plastic shape of the actuating element thandle outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 2 actuating angle clockwise 90° Front ring yes design of the front ring standard material of the front ring plastic color of the front ring color of the front ring	product designation	Selector switches	
product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator design of the actuating element latching, 90° (10:30 h/13:30 h) product extension optional light source	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, 90° (10:30 h/13:30 h) product extension optional • light 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 letter 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 plastic color of the front ring plastic plastic plastic protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating shock resistance	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 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 switching positions actuating angle clockwise Front ring product component front ring design of the front ring material of the front ring material of the front ring protection class IP degree of protection NEMA rating selement Selector, short latching, 90° (10:30 h/13:30 h) selector, short latching, 90	product line	Plastic, black, 22 mm	
Actuator design of the actuating element Description of the actuating D	·		
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 number of switching positions actuating angle • clockwise Front ring product component front ring design of the front ring material of the front ring design of the front ring material of the front ring protection class IP degree of protection NEMA rating standard standard standard shock resistance Yes Yes Yes Yes Customized labeling, text in lower case / capital letters, all lines start with capital letter 2 2 32.3 mm Yes 4 2 32.3 mm 90° Front ring product component front ring standard stand	number of command points	1	
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 • clockwise 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 Yes Yes Customized labeling, text in lower case / capital letters, all lines start with capital letter Customized labeling, text in lower case / capital letters, all lines start with capital letter Yes Standard yes standard plastic color of the front ring black General technical data Protection NEMA rating shock resistance	Actuator		
product extension optional light source	design of the actuating element	Selector, short	
ilight 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 / capital letters, all lines start with capital letter number of switching positions actuating angle clockwise poo 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 color of the front ring plastic color of the front ring color of the fr	principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)	
ocontact 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 / capital letters, all lines start with capital letter number of switching positions 2 actuating angle clockwise 90° Front ring 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 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	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 lines start with capital letter number of switching positions actuating angle clockwise group router component 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 lefe, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	• 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 lines start with capital letter number of switching positions actuating angle clockwise 90° Front ring product component front ring design of the front ring material of the front ring material of the front ring color of the front ring protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	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 lines start with capital letter 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 protection class IP degree of protection NEMA rating shock resistance Handle 32.3 mm Customized labeling, text in lower case / capital letters, all lines start with capital letter 90° Yes standard plastic plastic plastic plack IP66, IP67, IP69(IP69K) 1, 2, 3, 3R, 4, 4X, 12, 13	color of the actuating element	red	
outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter 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 general technical data protection class IP left, IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	material of the actuating element	plastic	
marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter 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 IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	shape of the actuating element	Handle	
with capital letter number of switching positions 2 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 IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	outer diameter of the actuating element	32.3 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	number of switching positions	2	
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	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 lP66, IP67, IP69(IP69K) degree of protection NEMA rating shock resistance	clockwise	90°	
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	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	product component front ring	Yes	
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	design of the front ring	standard	
General technical data protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating shock resistance IP68, IP67, IP69(IP69K) 1, 2, 3, 3R, 4, 4X, 12, 13	material of the front ring	plastic	
protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	color of the front ring	black	
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	General technical data		
shock resistance	protection class IP	IP66, IP67, IP69(IP69K)	
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
• according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms	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	 for railway applications according to EN 61373 	Category 1, Class B	
vibration resistance	vibration 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	 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	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	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=3SU1002-2BF20-0AA0-Z Y10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BF20-0AA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BF20-0AA0-Z Y10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1002-2BF20-0AA0-Z Y10&lang=en

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