## **SIEMENS**

## **Data sheet**



Selector switch, illuminable, 22 mm, round, plastic with metal front ring, green, selector switch, short, 3 switch positions I>O<II, momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, with laser labeling, lower case

product type designation  design of the product product type designation product type designation product tine  Enclosure number of command points  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 Plastic with metal front ring, matt, 22 mm  Enclosure number of command points  Actustor  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 green material of the actuating element shape of the actuating element material of the actuating element shape of the actuating element arking of the actuating element cuter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element actuating angle clockwise anticlockwise 45° anticlockwise 45° anticlockwise 45° front ring product component front ring design of the front ring front ring material of the front ring design of the front ring sand gray  Ceneral technical data protection class IP 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 operating frequency maximum frechanical service life (switching cycles) typical frequency maximum frechanical service life (switching cycles) typical frequency maximum frequency maxim	product designation	Selector switches	
product line Plastic with metal front ring, matt, 22 mm  Enclosure number of command points 1  Actuator  design of the actuating element product extension optional  • light source Yes • contact module Yes color of the actuating element plastic shape of the forting positions actuating element plastic shape of the front ring yes e anticlockwise 45°  Front ring product component front ring yes design of the front ring standard material of the front ring sand gray  General technical data protection class IP degree of protection NEMA rating yes plications according to EN 61373 yes plications according to EN 61373 claegory 1, Class B yibration resistance e according to IEC 60068-2-6 e according to IEC 60068-2-6 for railway applications according to EN 61373 claegory 1, Class B yes peraling frequency maximum mechanical service life (switching cycles) typical 1 000 000	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 product extension optional  ight source cortact module cort of the actuating element material of the actuating element pouter diameter of the actuating element puter diameter of the actuating element pouter diameter of the actuating element plastic plastic pouter diameter of the actuating element plastic plastic plastic plastic	product type designation	3SU1	
number of command points    Actuator	product line	Plastic with metal front ring, matt, 22 mm	
Actuator   Actuator   Actuating element   Selector, short   momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides   product extension optional   elight source   Yes   Yes   Yes   Color of the actuating element   Green	Enclosure		
design of the actuating element principle of operation of the actuating element product extension optional	number of command points	1	
principle of operation of the actuating element product extension optional	Actuator		
product extension optional    light source   Yes	design of the actuating element	Selector, short	
● 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  outer diameter of the actuating element  actuating alement  customized labeling, text in lower case letters  number of switching positions  actuating angle  elockwise  45°  anticlockwise  45°  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  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  • according to IEC 60068-2-6  • for railway applications according to EN 61373  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical	principle of operation of the actuating element	momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides	
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     actuating element     customized labeling, text in lower case letters     number 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     sand gray  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     rechanced left (switching cycles) typical     rechanced left (switching cycles) typical     1000 000  Yes     customized labeling, text in lower case letters     actuating lement     32.3 mm     marking of the actuating lement     32.3 mm     customized labeling, text in lower case letters     actuating albeling, text in low	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 anticlockwise front ring product component front ring design of the front ring material of the front ring color of the front ring sand gray  General technical data protection class IP degree of protection NEMA rating shock resistance e according to IEC 60068-2-6 for railway applications according to EN 61373  operating frequency maximum mechanical service life (switching cycles) typical  plastic shape of the actuating element plastic shape of the actuating element shape of the front ring shape of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms category 1, Class B shape of the actuating element shape of protection lower case letters shape of element shape of protection lower case letters shape of element shape of protection lower case letters shape of element shape of protection lower case letters shape of protection lower case	• 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 letters 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 sand gray  General technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 e for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical  possible frequency maximum mechanical service life (switching cycles) typical	contact module	Yes	
shape of the actuating element outer diameter of the actuating element arking of the actuating element customized labeling, text in lower case letters 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 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 e according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B  vibration resistance e according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B  operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical	color of the actuating element	green	
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 <ul> <li>clockwise</li> <li>anticlockwise</li> <li>45°</li> </ul> • anticlockwise             45°           Front ring             Yes               design of the front ring             standard               material of the front ring             Metal, matt               color of the front ring             sand gray               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             sinusoidal half-wave 15g / 11 ms               ofor railway applications according to EN 61373             Category 1, Class B           vibration resistance             according to IEC 60068-2-6             10 500 Hz: 5g               ofor railway applications according to EN 61373             Category 1, Class B                operating frequency maximum             1 800 1/h                mechanical service life (switching cycles) typical             1 000 000	material of the actuating element	plastic	
marking of the actuating element  number of switching positions  actuating angle  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  general technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of or railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373  category 1, Class B  operating frequency maximum nechanical service life (switching cycles) typical  Customized labeling, text in lower case letters  3  3  actuating angle 45° 45°  45°  45°  45°  46°  46°  46°	shape of the actuating element	Handle	
number of switching positions  actuating angle  clockwise 45° anticlockwise 45°  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 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B operating frequency maximum nechanical service life (switching cycles) typical  45° 45°  45°  45°  45°  45°  45°  45°	outer diameter of the actuating element	32.3 mm	
actuating angle  • clockwise  • anticlockwise  45°  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  • 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  operating frequency maximum  nechanical service life (switching cycles) typical  45°  45°  45°  45°  45°  45°  45°  45	marking of the actuating element	Customized labeling, text in lower case letters	
• clockwise     • anticlockwise     • anticlockwise     • anticlockwise  Front ring  product component front ring     question of the front ring     material of the front ring     material of the front ring     color of the front ring     general technical data  protection class IP     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  operating frequency maximum     protection (ass IP)       IP66, IP67, IP69(IP69K)       IP66, IP67, IP69	number of switching positions	3	
inticlockwise	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  • 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  mechanical service life (switching cycles) typical	• clockwise	45°	
product component front ring  design of the front ring  material of the front ring  Metal, matt  color of the front ring  Sand gray  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  mechanical service life (switching cycles) typical  1 000 000	<ul><li>anticlockwise</li></ul>	45°	
design of the front ring material of the front ring  Metal, matt color of the front ring sand gray  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 • for railway applications according to EN 61373  category 1, Class B  vibration resistance • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	Front ring		
material of the front ring  color of the front ring  Sand gray  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  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical	product component front ring	Yes	
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  • for railway applications according to EN 61373  category 1, Class B  vibration resistance • for railway applications according to EN 61373  category 1, Class B  operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	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  operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical  1 1 000 000	material of the front ring	Metal, matt	
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 10 500 Hz: 5g  • for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum 1 800 1/h  mechanical service life (switching cycles) typical 1 000 000	color of the front ring	sand gray	
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  mechanical service life (switching cycles) typical 1 000 000	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  • for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum 1 800 1/h  mechanical service life (switching cycles) typical 1 000 000	protection class IP	IP66, IP67, IP69(IP69K)	
<ul> <li>according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms</li> <li>for railway applications according to EN 61373 Category 1, Class B</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6 10 500 Hz: 5g</li> <li>for railway applications according to EN 61373 Category 1, Class B</li> <li>operating frequency maximum 1 800 1/h</li> <li>mechanical service life (switching cycles) typical 1 000 000</li> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
	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         operating frequency maximum       1 800 1/h         mechanical service life (switching cycles) typical       1 000 000	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms	
<ul> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>operating frequency maximum</li> <li>mechanical service life (switching cycles) typical</li> <li>1 800 1/h</li> <li>1 000 000</li> </ul>	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B	
● for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  1 000 000	vibration resistance		
operating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g	
mechanical service life (switching cycles) typical 1 000 000	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B	
	operating frequency maximum	1 800 1/h	
reference code according to IEC 81346-2	mechanical service life (switching cycles) typical	1 000 000	
	reference code according to IEC 81346-2	S	

Cubatanaa Brahihitanaa (Bata)	10/04/2014
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	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-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=3SU1032-2BM40-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1032-2BM40-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1032-2BM40-0AA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3SU1032-2BM40-0AA0-Z Y12&lang=en

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