## **SIEMENS**

## **Data sheet**



Illuminable selector switch, 22 mm, round, plastic, black, Selector switch short, 3 switch positions I>O<II, momentary contact on the left, latching on the right, actuating angle 2x45°, 10:30 /12 /13:30, Z=50-unit packaging

product designation design of the product Actualing/signaling element product type designation product tine 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	product brand name	SIRIUS ACT
design of the product product type designation growth time product time Plastic, black, 22 mm  Product line Plastic, black, 22 mm  Product command points 1  Actuator Post extracting element Principle of operation of the actuating element Principle of operation of the actuating element Principle of operation optional Individual Product extension optional Product extension optional Product component front ring Individual Product extension optional Product extens	·	
product type designation product line Plastic, black, 22 mm Preciosure 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 plastic shape of the front ring should be actuating element plastic elockwise	·	
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         momentary contact/latching, 2x45* (10:30 h/12 h/13:30 h), return from left, right latching           product extension optional         Yes           e light source         Yes           contact module         Yes           color of the actuating element         black           shape of the actuating element         plastic           shape of the actuating element         32.3 mm           unumber of switching positions         3           actuating angle         45°           e clockwise         45°           e anticlockwise         45°           e anticlockwise         45°           front ring         Yes           design of the front ring         Jack           design of the front ring         Jack           color of the front ring         Jack           design of the front ring         Jack           design of the front ring         Jack           design of the front ring         Jack           degree of protection NEMA rati		
Enclosure  number of command points  design of the actuating element  principle of operation of the actuating element  elight source  contact module  color of the actuating element  shape of		
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  shape of the actuating element  product extension optional  elight source  color of the actuating element  shape of the actuating element  product diameter of the actuating element  number of switching positions  actuating angle  clockwise  anticlockwise  anticlockwise  anticlockwise  fornt ring  product component front ring  design of the front ring  product component front ring  design of the front ring  protection class IP  degree of protection NEMA rating  for rallway applications according to EN 61373  poerating frequency maximum  1800 I/h  should be selected the selected of the selected of the selected of the recording to IEC 60068-2-6  for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1800 I/h  should be selected the selected of	•	Tidotto, Bidott, EE Hilli
design of the actuating element principle of operation of the actuating element   momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching   momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching   product extension optional   light source		1
design of the actuating element selector, short momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching product extension optional    light source	·	
principle of operation of the actuating element  momentary contact/latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching  product extension optional  light source contact module Yes  color of the actuating element black material of the actuating element handle outer diameter of the actuating element  unumber 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 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  reference code according to IEC 81346-2 S  en methanical service life (operating cycles) typical reference code according to IEC 81346-2 S		Salactor short
Product extension optional    Iight source   Yes		momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right
e light source e contact module Yes  color of the actuating element black material of the actuating element outer diameter of the actuating element 10 plastic shape of the actuating element 22.3 mm number of switching positions 3 actuating angle clockwise clockwise design of the front ring product component front ring product component front ring product of the front ring material of the front ring plastic color of the front ring protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-7 e for railway applications according to EN 61373 element of the front ring category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2  Feerence code according to IEC 81346-2  Salada A  Ves Salada A  Ves Salada A  45°  45°  45°  45°  45°  45°  45°  45	product extension optional	
ontact module     color of the actuating element     material of the actuating element     shape of the actuating element     auting ameter of the actuating element     actuating angle     elockwise     enticlockwise     anticlockwise     anticlockwise     anticlockwise     anticlockwise     front ring  product component front ring     design of the front ring     design of the front ring     material of the front ring     color of the front ring     plastic     color of the front ring     plastic     color of the front ring     protection class IP     degree of protection NEMA rating     shock resistance     eaccording 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     operating frequency maximum     alexion IEC 61346-2     seconding to IEC 61446-2		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 clockwise anticlockwise anticlockwise anticlockwise anticlockwise broad the front ring  product component front ring design of the front ring material of the front ring plastic color of the front ring product component front ring design of the front ring plastic color of the front ring plastic color of the front ring product component front ring plastic color of the front ring color of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring color of the front ring color of the front ring plastic color of the front ring plastic color of the front ring plastic color of the		Yes
shape of the actuating element  outer diameter of the actuating element  32.3 mm  number of switching positions  actuating angle  • clockwise  • anticlockwise  45°  Front ring  product component front ring  design of the front ring  material of the front ring  plastic  color of the front ring  glock  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  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	color of the actuating element	black
outer diameter of the actuating element number of switching positions actuating angle	material of the actuating element	plastic
number of switching positions  actuating angle  clockwise anticlockwise 45° 45° 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 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  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 (operating cycles) typical reference code according to IEC 81346-2  S	shape of the actuating element	Handle
actuating angle  clockwise data anticlockwise 45°  Front ring  product component front ring yes  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  operating frequency maximum  1 800 1/h mechanical service life (operating cycles) typical reference code according to IEC 81346-2  S	outer diameter of the actuating element	32.3 mm
clockwise	number of switching positions	3
• anticlockwise 45°  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  • 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 (operating cycles) typical reference code according to IEC 81346-2 S	actuating angle	
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  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 (operating cycles) typical  reference code according to IEC 81346-2  S	• 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  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  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 (operating cycles) typical  reference code according to IEC 81346-2  S	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 • 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 (operating cycles) typical reference code according to IEC 81346-2 S	Front ring	
material 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 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 (operating cycles) typical 1 000 000  reference code according to IEC 81346-2 S	product component front ring	Yes
color of the front ring  General 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  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 (operating cycles) typical  reference code according to IEC 81346-2  S	design of the front ring	standard
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  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 (operating cycles) typical  reference code according to IEC 81346-2  S	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  • 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 (operating cycles) typical  reference code according to IEC 81346-2  S	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  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	General technical data	
shock resistance	protection class IP	IP66, IP67, IP69(IP69K)
<ul> <li>according to IEC 60068-2-27</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>vibration resistance</li> <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>1800 1/h</li> <li>mechanical service life (operating cycles) typical</li> <li>reference code according to IEC 81346-2</li> <li>sinusoidal half-wave 15g / 11 ms</li> <li>Category 1, Class B</li> <li>10 500 Hz: 5g</li> <li>Category 1, Class B</li> <li>S</li> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
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	shock resistance	
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 (operating cycles) typical  reference code according to IEC 81346-2  S	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
• according to IEC 60068-2-6  • for railway applications according to EN 61373  operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
● for railway applications according to EN 61373  Operating frequency maximum  1 800 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  S  Category 1, Class B  1 800 1/h  1 000 000  S	vibration resistance	
operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
mechanical service life (operating cycles) typical 1 000 000 reference code according to IEC 81346-2 S	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
reference code according to IEC 81346-2 S	operating frequency maximum	1 800 1/h
	mechanical service life (operating cycles) typical	1 000 000
Substance Prohibitance (Date) 03/01/2017	reference code according to IEC 81346-2	S
	Substance Prohibitance (Date)	03/01/2017

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	

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1002-2BP10-0AA0-Z X90

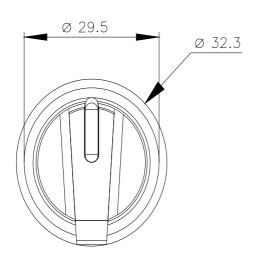
Cax online generator

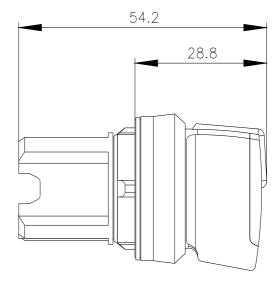
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BP10-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BP10-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1002-2BP10-0AA0-Z X90&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1002-2BP10-0AA0-Z X90&lang=en</a>





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