## **SIEMENS**

## **Data sheet**



Selector switch, illuminable, 22 mm, round, plastic, yellow, selector switch, short, 3 switch positions I>O<II, momentary contact on the left, latching on the right, actuating angle  $2x45^{\circ}$ , 10:30h/12h/13:30h, with laser labeling, lower case

product designation design of the product product type designation  In Intercept of Command points  Actuator  design of the actuating element principle of operation of the actuating element  in ight source ocontact module ocol of the actuating element product extension optional ight source ocol of of the actuating element plastic shape of the actuating element plastic shape of the actuating element product extension optional  ight source color of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element Customized labeling, text in lower case letters number of switching positions actuating angle clockwise design of the front ring product component front ring product component front ring design of the front ring plastic color of the front ring plastic color of the front ring plastic plas	product brand name	SIRIUS ACT
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 principle of operation 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   elight source   Yes	product designation	Selector switches
product line Plastic, black, 22 mm  Enclosure  number of command points  Actuator  design 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 Yes  • contact module Yes  color of the actuating element plastic shape of the actuating element shape of the actuating element actuating element plastic outer diameter of the actuating element	design of the product	Actuating/signaling element
Inclosure number of command points Actuator design of the actuating element principle of operation of the actuating element product extension optional elight source ocolar of the actuating element product extension optional elight source ocolar of the actuating element patential of the actuating element plastic shape of the actuating element public diameter of the actuating element product diameter of the actuating element public diameter of the actuating element customized labeling, text in lower case letters  actuating angle clockwise clockwise electric design of the front ring design of the front ring material of the front ring product component front ring design of the front ring plastic color of the front ring degree of protection NEMA rating shock resistance electric diameter according to EN 61373 vibration resistance electric design of EC 60068-2-6 efor railway applications according to EN 61373 category 1, Class B  operating frequency maximum  1 800 1/h  1 800 1/h	product type designation	3SU1
number of command points  Actuator  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   momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching   product extension optional	product line	Plastic, black, 22 mm
design 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  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  color of switching positions  actuating angle  • clockwise  • anticlockwise  Front ring  product component front ring  design of the front ring  color of the front ring  plastic  standard  material of the front ring  design of the front ring  plastic  color of the front ring  plastic  plastic  standard  material 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  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  operating frequency maximum  1 800 1/h	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  material of the actuating element  shape of the actuating element  pushing of the actuating element  marking of the actuating element  customized labeling, text in lower case letters  actuating angle  ● clockwise  ● anticlockwise  ● anticlockwise  Front ring  product component front ring  design of the front ring  gnaterial of the front ring  design 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  operating frequency maximum  Selector, short  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  text, right latching  Yes  vellow  yellow  yellow  yellow  yellow  Handle  Customized labeling, text in lower case letters  3.3 actuating apple  € customized labeling, text in lower case letters  3 actuating apple  € clockwise  45°  Front ring  product component front ring  yes  design 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  ● 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	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  marking of the actuating element  marking of the actuating element  marking of the actuating positions  actuating angle • clockwise • anticlockwise  Front ring  product component front ring  design of the front ring  material of the front ring  material of the front ring  design of protection class IP  degree of protection NEMA rating  shock resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373  overating frequency maximum  momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching  telt, right latching  telt, right latching  telt, right latching  telt, right latching  Yes  Yes  Yes  Yes  Ves  Ustomized labeling, text in lower case letters  3 actuating angle  45°  45°  45°  Front ring  product component front ring  plastic  standard  plastic  Standard  plastic  standard  plastic  standard  plastic  standard  plastic  standard  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  according to IEC 60068-2-27  of or railway applications according to EN 61373  vibration resistance  according to IEC 60068-2-6  of ror railway applications according to EN 61373  category 1, Class B	Actuator	
product extension optional  • 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  customized labeling, text in lower case letters  number of switching positions  actuating angle  • clockwise  • anticlockwise  front ring  product component front ring  design of the front ring  color of the front ring  plastic  color of the front ring  plack  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	design of the actuating element	Selector, short
Ight source  Ight	principle of operation of the actuating element	,
contact module Yes  color of the actuating element yellow material of the actuating element plastic shape of the actuating element Handle 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	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 outer diameter of the actuating element customized labeling, text in lower case letters number of switching positions actuating angle e clockwise front ring product component front ring redesign of the front ring color of the front ring plastic color of the front ring protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 for railway applications according to EN 61373 operating frequency maximum  yellow plastic plastic customized labeling, text in lower case letters number of switching wellow standard standard prosecution ring yes standard plastic plastic 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 for railway applications according to EN 61373 category 1, Class B operating frequency maximum 1800 1/h	<ul><li>light source</li></ul>	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 clockwise shape of the fort ring product component front ring group of the front ring material 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 operating frequency maximum  plastic category 1, Class B operating frequency maximum  plastic category 1, Class B operating frequency maximum  1 800 1/h	contact module	Yes
shape of the actuating element outer diameter of the actuating element marking 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 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 operating frequency maximum  Handle  22.3 mm  23.3 mm  Customized labeling, text in lower case letters  32.4 mm  32.5 mm  45°  45°  45°  45°  45°  45°  45°  4	color of the actuating element	yellow
outer diameter of the actuating element marking of the actuating element number of switching positions actuating angle	material of the actuating element	plastic
marking of the actuating element  number of switching positions  actuating angle  clockwise data anticlockwise anticlockwise anticlockwise  front ring  product component front ring getsign 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 sinusoidal half-wave 15g / 11 ms  vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 operating frequency maximum  Customized labeling, text in lower case letters  3  Customized labeling, text in lower case letters  3  2  Customized labeling, text in lower case letters  3  3  Customized labeling, text in lower case letters  3  45°  45°  Front ring  Yes  45°  45°  Front ring  Pes  Standard  plastic  black  Black  Black  Ple6, IP67, IP69(IP69K)  4, 2, 3, 3R, 4, 4X, 12, 13  Shock resistance according to IEC 60068-2-7 sinusoidal half-wave 15g / 11 ms 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	shape of the actuating element	Handle
number of switching positions  actuating angle	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 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  operating frequency maximum  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     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     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  operating frequency maximum  45°  Yes  45°  Front ring  Yes  45°  Pes  45	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  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	actuating angle	
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  operating frequency maximum  Yes  yes  standard  plastic  plastic  IP66, IP67, IP69(IP69K)  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  sinusoidal half-wave 15g / 11 ms  Category 1, Class B  10 500 Hz: 5g  Category 1, Class B	• clockwise	45°
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  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  vibration resistance  of 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	<ul><li>anticlockwise</li></ul>	45°
design of the front ring material of the front ring  color of the front ring  black  General technical data  protection class IP	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  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  operating frequency maximum  1 800 1/h	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  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  operating frequency maximum  1 800 1/h	design of the front ring	standard
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	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  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	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  operating frequency maximum 1 800 1/h	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	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> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
	shock resistance	
vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  operating frequency maximum  1 800 1/h	<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>operating frequency maximum</li> <li>10 500 Hz: 5g</li> <li>Category 1, Class B</li> <li>1 800 1/h</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	vibration resistance	
operating frequency maximum 1 800 1/h	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
mechanical service life (switching cycles) typical 1 000 000	operating frequency maximum	1 800 1/h
	mechanical service life (switching cycles) typical	1 000 000

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	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	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	
<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=3SU1002-2BP30-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BP30-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BP30-0AA0-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\_de.aspx?mlfb=3SU1002-2BP30-0AA0-Z Y12&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1002-2BP30-0AA0-Z Y12&lang=en</a>

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