3SU1002-2BN10-0AA0

## **Data sheet**





Illuminable selector switch, 22 mm, round, plastic, black, Selector switch short, 3 switch positions I-O<II, left latching, right momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h



product designation Selector switches  design of the product product type designation 3SU1 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 latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching/momentary contact, 2x45° (10:30 h/12 h/13:30	product brand name	SIRIUS ACT
design of the product product type designation product line Plastic, black, 22 mm  Plastic,	<u>'</u>	
product type designation product tine 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 latching product extension optional libration of the actuating element latching product extension optional libration of the actuating element latching lement latching latc	•	
product line Plastic, black, 22 mm  Enclosure  number of command points 1  Aduator  design of the actuating element Selector, short  principle of operation of the actuating element latching  product extension optional  • light source Yes  • contact module Solor Handle Selector Handle S		
number of command points  Actuator  design of the actuating element  illight source  contact module  color of the actuating element  shape of the actuating element  product agilight source  color of the actuating element  shape of the actuating element  product agilight source  color of the actuating element  shape of the actuating element  product agilight source  color of the actuating element  plastic  shape of the actuating element  shape		
Inumber of command points  Actuator  design of the actuating element  principle of operation of the actuating element  illatching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left atching from the actuating element  illight source  color of the actuating element  black color of the actuating element  black material of the actuating element  pouter diameter of the actuating element  public diameter of the actuating element  actuating angle  clockwise  anticlockwise  anticloc	Enclosure	Tidoto, bidot, El IIIII
design of the actuating element  principle of operation of the actuating element  elatching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching  product extension optional  elight source contact module Yes  color of the actuating element black material of the actuating element shape of the actuating element handle outer diameter of the actuating element shape of the actuating element actuating angle clockwise clockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise anticlockwise black  design of the front ring design of the front ring plastic color of the front ring product component front ring design of the front ring design of the front ring protection class IP degree of protection NEMA rating shock resistance eacording to IEC 60068-2-27 e for railway applications according to EN 61373 Category 1, Class B  vibration resistance eacording to IEC 60068-2-6 e 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	Actuator	
product extension optional    light source	design of the actuating element	Selector, short
• light source • contact module  Coolor of the actuating element  material of the actuating element  shape of the actuating element  uuter diameter of the actuating element  actuating angle • clockwise • anticlockwise • anticlockwise  • anticlockwise  Tront 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	principle of operation of the actuating element	
ontact module     ves     color of the actuating element     black     material of the actuating element     shape of the actuating element     shape of the actuating element     vest and in the actuating element	product extension optional	
color of the actuating element  material of the actuating element  shape of the actuating element  uuter diameter of the actuating element  actuating angle  oclockwise anticlockwise anticlockwise  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 shock resistance according to IEC 60068-2-7 for railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373  black  Category 1, Class B  Value  Value	• light source	Yes
material of the actuating element  shape of the actuating element  uuter diameter of the actuating element  actuating angle  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  protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 of 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 resilvance according to IEC 60068-2-6 of or railway applications according to EN 61373  Category 1, Class B	contact module	Yes
shape of the actuating element outer diameter of the actuating element 32.3 mm  number of switching positions 3 actuating angle	color of the actuating element	black
outer diameter 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 protection class IP protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-7 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	material of the actuating element	plastic
number of switching positions  actuating angle  • clockwise  • anticlockwise  • anticlockwise  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  value of the food to	shape of the actuating element	Handle
actuating angle	outer diameter of the actuating element	32.3 mm
clockwise     anticlockwise     45°     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  Category 1, Class B  Category 1, Class B  Category 1, Class B  Category 1, Class B	number of switching positions	3
anticlockwise      A5°  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     for railway applications according to EN 61373  Category 1, Class B	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  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  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  Category 1, Class B  Category 1, Class B	• 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  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  Category 1, Class B  Category 1, Class B	<ul><li>anticlockwise</li></ul>	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 Category 1, Class B  vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B  Category 1, Class B	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  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  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B	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  Category 1, Class B  vibration resistance  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B  Category 1, Class B	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  • according to IEC 60068-2-6  • for railway applications according to EN 61373  Category 1, Class B	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  • for railway applications according to EN 61373  Category 1, Class B  Category 1, Class B	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	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	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     for railway applications according to EN 61373 Category 1, Class B	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
<ul> <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> </ul>	shock resistance	
vibration resistance	<ul> <li>according to IEC 60068-2-27</li> </ul>	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	<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	vibration resistance	
	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
operating frequency maximum 1 800 1/h	<ul> <li>for railway applications according to EN 61373</li> </ul>	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	\$	
Substance Prohibitance (Date)	03/01/2017	
Safety related data		
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 %	
B10 value with high demand rate according to SN 31920	300 000	
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%)	
Environmental footprint		
Environmental Product Declaration(EPD)	Yes	
Global Warming Potential [CO2 eq] total	0.787 kg	
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg	
Global Warming Potential [CO2 eq] during operation	0.235 kg	
Global Warming Potential [CO2 eq] after end of life	-0.015 kg	
Siemens Eco Profile (SEP)	Siemens EcoTech	
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	
Approvals Certificates		



**General Product Approval** 





Special Test Certific-<u>ate</u>

**Test Certificates** 



Marine / Shipping



Marine / Shipping

other

**Environment** 





Confirmation







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=3SU1002-2BN10-0AA0

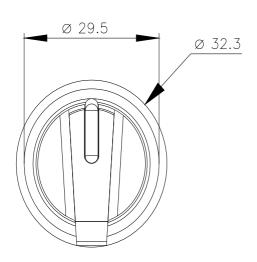
Cax online generator

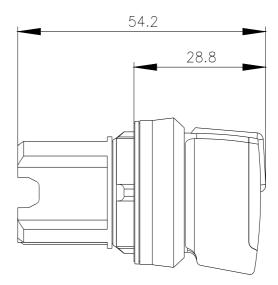
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BN10-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BN10-0AA0

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=3SU1002-2BN10-0AA0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1002-2BN10-0AA0&lang=en</a>





last modified: 2/6/2024 🖸

## **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3SU10022BN100AA0