## **SIEMENS**

## **Data sheet**



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

product designation design of the product product type designation  In Jacustor    Plastic with metal front ring, matt, 22 mm	product brand name	SIRIUS ACT
product type designation product line Plastic with metal front ring, matt, 22 mm  Enclosure number of command points 1  Actuator design of the actuating element principle of operation of the actuating element in the substitution of the actuating element in the actua	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 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 plastic outer diameter of the actuating element actuating element plastic shape of the actuating element plastic outer diameter of the actuating element actuating element plastic outer diameter of the actuating element actuation element actuation element actuation element actuation element	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   Principle of operation of the actuating element   Principle of operation of the actuating element   Product extension optional   Iight source	product type designation	3SU1
number of command points    Actuator	product line	Plastic with metal front ring, matt, 22 mm
Actuator   design of the actuating element   Selector, short   momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching   reduce tetension optional   elight source   Yes   Yes   Color of the actuating element   red   red   reduce tetension optional   Yes   Color of the actuating element   red   red   reduce tetension optional   Yes   Color of the actuating element   red   plastic   shape of the actuating element   Analie   Outer diameter of the actuating element   Analie   Customized labeling, text in lower case letters   number of switching positions   3   actuating angle   elockwise   45°	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  pastic  shape of the actuating element  marking of the actuating element  number of switching positions  actuating angle ● clockwise ● anticlockwise  Product component front ring  material of the front ring  material of the front ring  product component front ring  design of the front ring  material of the front ring  material of the actuating element  12.3 mm  24.5°  Front ring  product component front ring  design of the front ring  material of the front ring  material of the front ring  fees and gray  General technical data  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  memerital actuating element  red  pomental technical glement  protection class IP  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  according to IEC 60068-2-67  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	number of command points	1
principle of operation of the actuating element  product extension optional  light source  color of the actuating element  material of the actuating element  marking of the actuating element  marking of the actuating pelment  couter diameter of the actuating element  marking of the actuating element  couter diameter of the actuating element  actuating angle  clockwise  actuating angle  clockwise  45°  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  front ring  product component front ring  material of the front ring  front ring  product component front ring  front ring  product component front ring  front ring  material of the front ring  front ring  front ring  product component front ring  front ri	Actuator	
left, right latching	design of the actuating element	Selector, short
Ight source  Ight	principle of operation of the actuating element	
color of the actuating element     color of the actuating element     material of the actuating element     shape of the actuating element     dure diameter of the actuating element     marking of the actuating element     marking of the actuating element     color diameter of the actuating element     marking of the actuating element     colockwise     electorial element     colockwise     electorial element     color element     colo	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 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 e according to IEC 60068-2-6 e for railway applications according to EN 61373 operating frequency maximum  red plastic plasti	• 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 satisficial actuating product component 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 e according to IEC 60068-2-27 of or railway applications according to EN 61373 operating frequency maximum  plastic  Handle  Audle  Audle  Audle  Audle  Audle  Austria  Aust	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 e anticlockwise 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 e according to IEC 60068-2-27 e for railway applications according to EN 61373 operating frequency maximum  Handle 32.3 mm  23.3 mm  Customized labeling, text in lower case letters  32.4 mm  45°  45°  45°  45°  45°  45°  45°  4	color of the actuating element	red
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  ● anticlockwise  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  • 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  actuating applications  45°  45°  Front ring  Yes  45°  Front ring  Yes  45°  Front ring  Yes  45°  Front ring  Attach  Yes  45°  Front ring  Front	shape of the actuating element	Handle
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  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  3  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  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  operating frequency maximum  45°  45°  Yes  45°  45°  Front ring  Yes  Metal, matt  sand gray  Metal, matt  sand gray  Befo, IP67, IP69(IP69K)  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  • according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  Category 1, Class B  Ocategory 1, Class B	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     material of the front ring     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  operating frequency maximum  1 800 1/h	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  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  of or railway applications according to EN 61373	actuating angle	
product component front ring  design of the front ring  material of the front ring  Metal, matt  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  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	• clockwise	45°
product component front ring  design of the front ring  material 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  ofor 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	<ul><li>anticlockwise</li></ul>	45°
design of the front ring material of the front ring  mater	Front ring	
material of the front ring  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  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  • 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	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  vibration resistance 10 500 Hz: 5g category 1, Class B  operating frequency maximum 1 800 1/h	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	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	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
for railway applications according to EN 61373      Category 1, Class B      vibration resistance	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 %
<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=3SU1032-2BP20-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1032-2BP20-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1032-2BP20-0AA0-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=3SU1032-2BP20-0AA0-Z Y12&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1032-2BP20-0AA0-Z Y12&lang=en</a>

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