## **SIEMENS**

## **Data sheet**



Selector switch, illuminable, 22 mm, round, plastic with metal front ring, red, Rotary knob, 2 switch positions O-I, latching, actuating angle  $90^\circ, 10:30h/13:30h$ , with laser labeling, upper case and lower case, always upper case at the beginning of the word

product type designation design of the product product type designation  product type designation  product type designation  product type designation  product type designation    Plastic with metal front ring, matt, 22 mm    Product extension optional	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 product extension optional  • light source • contact module  color of the actuating element shape of the actuating element material of the actuating element shape of the actuating element marking of the actuating element marking of the actuating element cuter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element general product component front ring product component front ring design of the front ring foliation of the front ring design of the front ring sandard material of the front ring sand gray  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 60068-2-27 • for railway applications according to EN 61373 vibration resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 category 1, Class B  for railway applications according to EN 61373 category 1, Class B  category 1, Class B category 1, Class B category 1, Class B category 1, Class B category 1, Class B category 1, Class B category 1, Class B category 1, Class B category 1, Class B category 1, Class B category 1, Class B	product designation	Selector switches
product line  Enclosure  number of command points  Actuator  design of the actuating element product extension optional • light source • contact module color of the actuating element material of the actuating element pouter data 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 product symbol (10:30 h/13:30 h)  Rotary knob latching, 90° (10:30 h/13:30 h) latching, 90° (10:30 h	design of the product	Actuating/signaling element
number of command points  Actuator design of the actuating element product extension optional  Ight source contact module control of the actuating element material of the actuating element pouter diameter of the actuating element material of the actuating element pouter diameter of the actuating element shape of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all words start with capital letters  number of switching positions actuating angle clockwise  Front ring product component front ring design of the front ring standard material of the front ring sand gray  General technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-8 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	product type designation	3SU1
number of command points    Actuator	product line	Plastic with metal front ring, matt, 22 mm
Actuator   Gesign of the actuating element   Rotary knob   Iatching, 90° (10:30 h/13:30 h)	Enclosure	
design of the actuating element principle of operation of the actuating element product extension optional elight source color of the actuating element material of the actuating element pouter diameter of the actuating element marking of the actuating element marking of the actuating element public diameter of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all words start with capital letters  number of switching positions actuating angle clockwise ground rend front ring product component 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 or railway applications according to EN 61373 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	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 shape of the actuating element put for actuating element  marking of the actuating element marking of the actuating element  customized labeling, text in lower case / capital letters, all words start with capital letters  number of switching positions  clockwise  product component front ring design of the front ring material 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  operating frequency maximum  1 800 1/h mechanical service life (switching cycles) typical  latching, 90° (10:30 h/13:30 h) yes (10:30 h/13:30 h)  yes (20:30 h/13:30 h) (20:30 h/13:30	Actuator	
product extension optional    light source   Yes	design of the actuating element	Rotary knob
• light source • contact module Color of the actuating element material of the actuating element Dumber of the front ring Design of the front ring Metal, matt Color of the front ring Metal, matt Color of the front ring Metal, matt Color of the actuating element Distinction class IP Design of the front ring Design of th	principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
color of the actuating element     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 / capital letters, all words start with capital letters      number of switching positions     2     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  customized labeling, text in lower case / capital letters, all words start with capital letters  number of switching positions  actuating angle clockwise  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 of or railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373  operating frequency maximum  1 800 1/h mechanical service life (switching cycles) typical  1 29.5 mm  Customized labeling, text in lower case / capital letters, all words start with capital helf-exit in lower case / capital letters, all words start with capital helf-exit in lower case / capital letters, all words start with capital helf-exit in lower case / capital letters, all words start with capital helf-exit in lower case / capital letters, all words start with capital helf-exit in lower case / capital letters, all words start with capital helf-exit in lower case / capital letters  2 actuating apple 4 cockwise  90°  Front ring  Yes  design of the front ring  Metal, matt  color of the front ring  sand gray  Benefic Pe9(IP69K)  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  2 according to IEC 60068-2-6  3 on condition according to EN 61373  Category 1, Class B  1 on 500 Hz: 5g  Category 1, Class B	• 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 / capital letters, all words start with capital letters  number of switching positions  actuating angle  • clockwise  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 • 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  plastic  29.5 mm  Wetal, matt color of the front ring shader  ### PF66, IP67, IP69(IP69K)  ### Category 1, Class B  ### Category 1, Class B  ### Out of the front resistance  ### Category 1, Class B  ### Out of the front resistance  ### According to IEC 60068-2-6  ### Out of the front resistance  ### According to IEC 60068-2-6  ### Out of the front ring  ### Customized labeling, text in lower case / capital letters  ### PF66, IP67, IP69(IP69K)  ### Customized labeling, text in lower case / capital letters  ### PF68  ### PF6	contact module	Yes
shape of the actuating element outer diameter of the actuating element marking of the actuating element  number of switching positions 2 actuating angle	color of the actuating element	red
outer diameter of the actuating element     29.5 mm       marking of the actuating element     Customized labeling, text in lower case / capital letters, all words start with capital letters       number of switching positions     2       actuating angle <ul> <li>clockwise</li> <li>90°</li> </ul> Front ring           product component 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  Pront 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  mechanical service life (switching cycles) typical  Customized labeling, text in lower case / capital letters, all words start with capital letters  actuating applications  2  Customized labeling, text in lower case / capital letters, all words start with capital letters  2  Customized labeling, text in lower case / capital letters, all words start with capital letters  2  Customized labeling, text in lower case / capital letters, all words start with capital letters  2  Customized labeling, text in lower case / capital letters  2  Customized labeling, text in lower case / capital letters  4  2  Customized labeling, text in lower case / capital letters  4  2  Customized labeling, text in lower case / capital letters  4  2  Customized labeling, text in lower case / capital letters  4  Customized labeling, text in lower case / capital letters  4  Customized letters  4  Customized labeling, text in lower case / capital letters  4  Customized letters  4  Customized labeling, text in lower case / capital letters  4  Customized letters  4  Customized labeling  6  Customized letters  2  Customized labeling  6  Customized letters  2  Customized letters  6  Customized letters  90°  Pront ing  90°  Customized letters  1  Customized letters  90°  Pront ing  6  Customized letters  90°  Pront ing  6  Customized letters  90°  Pront ing  90°  Customized letters  90°  Pront ing  90°  Pro	shape of the actuating element	Button
number of switching positions  actuating angle	outer diameter of the actuating element	29.5 mm
actuating angle  clockwise  product component 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  vibration resistance  according to IEC 60068-2-6  for railway applications according to EN 61373  operating frequency maximum  nechanical service life (switching cycles) typical  residuard  yes  design of the front ring  yes  destance  10 500 Hz: 5g  Category 1, Class B  1 800 1/h  1 000 000	marking of the actuating element	
• clockwise 90°  Front ring  product component 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  • 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 (switching cycles) typical 1 000 000	number of switching positions	2
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  IP66, IP67, IP69(IP69K)  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	actuating angle	
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	• clockwise	90°
design of the front ring material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  material of the front ring  metal, material of the front ring  metal gray  metal front ring  metal front ring	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  for railway applications according to EN 61373  category 1, Class B  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	product component front ring	Yes
color of the front ring  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  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 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 • 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	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  vibration resistance  according to IEC 60068-2-6 for railway applications according to EN 61373  category 1, Class B  10 500 Hz: 5g  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
for railway applications according to EN 61373      vibration resistance	shock resistance	
vibration resistance       10 500 Hz: 5g         ● 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>1 000 000</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 maximum     1 800 1/h       mechanical service life (switching cycles) typical     1 000 000	<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
mechanical service life (switching cycles) typical 1 000 000	operating frequency maximum	1 800 1/h
		1 000 000
	reference code according to IEC 81346-2	S

Substance Prohibitance (Date)	10/01/2014
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	29.5 mm
width	29.5 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	29.5 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)
<a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1032-2AF20-0AA0-Z Y15">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1032-2AF20-0AA0-Z Y15</a>

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1032-2AF20-0AA0-Z Y15

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1032-2AF20-0AA0-Z Y15

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=3SU1032-2AF20-0AA0-Z Y15&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1032-2AF20-0AA0-Z Y15&lang=en</a>

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