## **SIEMENS**

## **Data sheet**



Selector switch, illuminable, 30 mm, round, Metal, matte, red, selector switch, short, front ring for flush installation, 3 switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h, with laser labeling, lower case

product designation design of the product product type designation product type designation product line  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 elegit source ecolor of the actuating element product axtension optional elight source yes contact module color of the actuating element passic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element public outer diameter of the actuating element product own of the actuating element plastic shape shape of the actuating element plastic shape sh	product brand name	SIRIUS ACT	
product type designation product line Metal, matt, flat, 30 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 palsatic shape of the actuating element shape of the actuating element glastic shape of the actuating element shape of the actuating element cuter diameter of the actuating element marking of the actuating element cuter diameter of the actuating element number of switching positions actuating angle • clockwise • anticlockwise  * anticlockwise  * 45°  * anticlockwise  product component front ring design of the front ring design of the front ring material of the front ring sand gray  General technical data protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 • 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  the state of the	product designation	Selector switches	
product line Metal, matt, flat, 30 mm  Enclosure  number of command points  1  Actuator  design of the actuating element product extension optional  • light source Yes  • contact module Yes  color of the actuating element plastic  shape of the actuating element plastic  shape of the actuating element Handle  outer diameter of the actuating element Customized labeling, text in lower case letters  number of switching positions  actuating angle  • clockwise 45°  • anticlockwise 45°  Front ring  product component front ring Metal, matt  color of the front ring Sand gray  General technical data  protection class IP  degree of protection NEMA rating  • for railway applications according to EN 61373  operating frequency maximum  Taking frequency maximum  1 800 /h  mechanical service life (switching cycles) typical  300 000	design of the product	Actuating/signaling element	
number of command points  Actuator  design of the actuating element   Selector, short   principle of operation of the actuating element   latching, 2x45° (10:30 h/12 h/13:30 h) product extension optional  • light source   Yes   • contact module   Yes   color of the actuating element   red   material of the actuating element   Handle   outer diameter of the actuating element   Customized labeling, text in lower case letters   number of switching positions   3   actuating angle   • clockwise   45°   • anticlockwise   45°   Front ring   product component front ring   Flat   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   category 1, Class B   operating frequency maximum   1 800 //h   mechanical service life (switching cycles) typical   general recentical service life (switching cycles) typical   general recentical service life (switching cycles) typical   general requency maximum   1 800 //h   mechanical service life (switching cycles) typical   general recentical service life (switching cycles) typical   general requirement   1 800 //h   mechanical service life (switching cycles) typical   general recentical service life (switching cycles) typical   general recent	product type designation	3SU1	
number of command points    Actuator	product line	Metal, matt, flat, 30 mm	
design of the actuating element   Selector, short   principle of operation of the actuating element   principle of operation of the actuating element	Enclosure		
design of the actuating element principle of operation of the actuating element latching, 2x45° (10:30 h/12 h/13:30 h)  product extension optional elight source contact module red 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 shape of the actuating element customized labeling, text in lower case letters number of switching positions actuating angle clockwise 45° anticlockwise 45° entitlockwise 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 railway applications according to EN 61373 vibration resistance eaccording 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	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 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 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 60068-2-7 • for railway applications according to EN 61373 operating frequency maximum  mechanical service life (switching cycles) typical  yes  Yes (10:30 h/12 h/13:30 h) Yes (10:30 h/13:30 h) Yes (10:	Actuator		
product extension optional    light source   Yes	design of the actuating element	Selector, short	
● contact module Pes color of the actuating element material of the actuating element plastic shape of switching positions actuating allement color of switching positions actuating allement actuating allement customized labeling, text in lower case letters number of switching positions actuating angle clockwise actuating angle ac	principle of operation of the actuating element	latching, 2x45° (10:30 h/12 h/13:30 h)	
color of the actuating element red material of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element Sa mm marking of the actuating element Customized labeling, text in lower case letters number of switching positions Sactuating angle     clockwise 45°     enticlockwise 45°  Front ring product component front ring Flat material of the front ring Sand gray General technical data protection class IP Protection NEMA rating Shock resistance     according to IEC 60068-2-27 Sinusoidal half-wave 15g / 11 ms     of railway applications according to EN 61373 Category 1, Class B  operating frequency maximum Passing Sand Son (16)  outer diameter Shock Passing Plasting Protection of the front ring Sand gray Category 1, Class B  operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 300 000	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 number of switching positions actuating angle clockwise shape of the actuating element number of switching positions actuating angle clockwise shape of protection ring material of the front ring material of the front ring material of the front ring shock resistance according to IEC 60068-2-6 for railway applications according to EN 61373 operating frequency maximum rechanical service life (switching cycles) typical  red sam material of the actuating element Alandle Aland Aland Alande Aland Aland Aland Aland Aland Aland Aland Al	• light source	Yes	
material of the actuating element 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 color of the front ring general technical data protection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 e for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical  possible frequency maximum  table (automic and and benefit in the final service life (switching cycles) typical	<ul> <li>contact module</li> </ul>	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 getsign 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 should be substantial and should be substantial according to EN 61373 operating frequency maximum should also customized between the substantial and substantial according to EN 61373 operating frequency maximum should abeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mm substantial habeling, text in lower case letters as mixed abeling, text in lower case letters as must in lower case letters as must in lower case letters as cucarding, text in lower case letters as cucarding, text in lower case letters as cucarding to lever in lower case letters as cucarding to leve	color of the actuating element	red	
outer diameter of the actuating element marking of the actuating element number of switching positions actuating angle • clockwise • 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 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  nechanical service life (switching cycles) typical  38 mm Customized labeling, text in lower case letters  as mm Customized labeling, text in lower case letters  as mm Customized labeling, text in lower case letters  as mm Customized labeling, text in lower case letters  as mm Customized labeling, text in lower case letters  as mm Customized labeling, text in lower case letters  as mm Customized labeling, text in lower case letters  actually labeling, text in lower case letters  as muster in lower case letters  as muster in lower case letters  ### Apo  Category 1, Pes  ### Apo  Category 1, Class B  Operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical	material of the actuating element	plastic	
marking of the actuating element  number of switching positions  actuating angle  • clockwise  • anticlockwise  • anticlockwise  front ring  product component 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  mechanical service life (switching cycles) typical  Customized labeling, text in lower case letters  3  3  Customized labeling, text in lower case letters  3  45°  45°  45°  45°  45°  45°  45°	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  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	outer diameter of the actuating element	38 mm	
actuating angle  clockwise anticlockwise 45° anticlockwise 45°  Front ring  product component front ring  design of the front ring Telat 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  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	marking of the actuating element	Customized labeling, text in lower case letters	
clockwise     anticlockwise     A5°     anticlockwise     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     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     1800 1/h  mechanical service life (switching cycles) typical  Aveaus Atso.  Yes  Wes  Metal, matt  Sand gray  IP66, IP67, IP69(IP69K)  1, 2, 3, 3R, 4, 4X, 12, 13  sinusoidal half-wave 15g / 11 ms  Category 1, Class B  Ocategory 1, Class B  1 800 1/h  300 000	number of switching positions	3	
anticlockwise     45°  Front ring     yes     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  operating frequency maximum     mechanical service life (switching cycles) typical  Yes     Wetal, matt     sand gray  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  Category 1, Class B  Operating frequency maximum     1 800 1/h  mechanical service life (switching cycles) typical	actuating angle		
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  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	<ul><li>clockwise</li></ul>	45°	
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  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	<ul> <li>anticlockwise</li> </ul>	45°	
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 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 300 000	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  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical	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  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  300 000	design of the front ring	Flat	
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 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 300 000	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  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 300 000	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 300 000	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 300 000	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 300 000</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       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       300 000	<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>300 000</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  300 000	vibration resistance		
operating frequency maximum     1 800 1/h       mechanical service life (switching cycles) typical     300 000	<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g	
mechanical service life (switching cycles) typical 300 000	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B	
	operating frequency maximum	1 800 1/h	
reference code according to IEC 81346-2	mechanical service life (switching cycles) typical	300 000	
	reference code according to IEC 81346-2	S	

Out-4 Parkitit (P-4-)	40/04/0044
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	44.8 mm
width	38 mm
shape of the installation opening	round
mounting diameter	30.5 mm
positive tolerance of installation diameter	0.5 mm
mounting height	22.1 mm
installation width	38 mm
installation depth	32.1 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=3SU1062-2DL20-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1062-2DL20-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1062-2DL20-0AA0-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">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3SU1062-2DL20-0AA0-Z Y12&lang=en

last modified: 1/26/2022 🖸