## **SIEMENS**

## **Data sheet**



Selector switch, illuminable, 30 mm, round, Metal, matte, green, 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 type designation product time  Enclosure number of command points  Actuating selement principle of operation of the actuating element product extension optional light source e oontact module yes color of the actuating element shape of the actuating element product extension optional light source color of the actuating element product extension optional light source color of the actuating element green material of the actuating element shape of the actuating element Handle outer diameter of the actuating element number of switching positions actuating angle colockwise actuating angle colockwise 45° Front ring product component front ring design of the front ring Metal, matt color of the front ring Actuating angle color flore front ring Actuating of the front ring Actuating of the front ring Actuating of the ront ring Actuating of the front ring Actuating of the Actuating Actuating	product brand name	SIRIUS ACT
product line Metal, matt, flat, 30 mm  Enclosure number of command points 1  Actuator  design 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   plastic shape of the actuating element   plastic shape of the actuating element   Handle outer diameter of the actuating element   33 mm marking of the actuating element   Customized labeling, text in lower case letters number of switching positions   3 actuating angle   • clockwise   45° • anticlockwise   45° • anticlockwise   45° Front ring   Flat material of the front ring   Metal, matt color of the front ring   Metal, matt color of the front ring   Sand gray  General technical data protection class IP   IP66, IP67, IP68(IP69K) degree of protection NEMA rating   Sand gray   Category 1, Class B  vibration resistance • according to IEC 60068-2-6   6 to railway applications according to EN 61373   Category 1, Class B  over the reduction of the fire of the control o	product designation	Selector switches
Product line   Metal, matt, flat, 30 mm	design of the product	Actuating/signaling element
Inmber of command points  Actuator  design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional  elight source Yes color of the actuating element green material of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element Samm marking of the actuating element Customized labeling, text in lower case letters actuating angle elockwise 45° enticlockwise 45° Front ring product component front ring Yes design 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 shock resistance eacording to IEC 60068-2-27 for railway applications according to EN 61373 operating frequency maximum 1800 /fh mechanical service life (switching cycles) typical  protection frequency maximum 1800 /fh mechanical service life (switching cycles) typical	product type designation	3SU1
number of command points  Actuator  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   light source	product line	Metal, matt, flat, 30 mm
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)	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 yes color of the actuating element green material of the actuating element outer diameter of the actuating element number of switching positions actuating angle clockwise actuating angle elockwise 45° anticlockwise 45° anticlockwise 45° 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 elector according to IEC 60068-2-7 for railway applications according to EN 61373 operating frequency maximum lately in the front ring product case IP for railway applications according to EN 61373 operating frequency maximum lately in the front ring category 1, class B operating frequency maximum lately in the front ring lately in the front ring category 1, class B operating frequency maximum lately in the front ring lately in the front ring category 1, class B operating frequency maximum lately in the front ring lately in the substance	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 green material of the actuating element outer diameter of the actuating element marking of the actuating element couter 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 • clockwise 45° • 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 vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 operating frequency maximum 1 800 17h mechanical service life (switching cycles) typical  leach of the surface of	Actuator	
e light source e 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 Outer diameter of the actuating element Marking of the actuating element Marking of the actuating element Outer diameter of the actuating element Marking of the actuating element Outer diameter of the actuating element Marking of the actuating element Outer diameter of the actuating element Marking of the actuating element Outer diameter of switching positions  3 actuating angle e clockwise 45° e anticlockwise 45°  Front ring product component front ring Flat Metal, matt color of the front ring Metal, matt color of the front ring Metal, matt color of the front ring General technical data protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance e according to IEC 60068-2-7 for railway applications according to EN 61373 Vibration resistance e 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  7 ves Category 1, Class B Operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical	design of the actuating element	Selector, short
● contact module Pyes Color of the actuating element material of the actuating element material of the front ring material of the front ring material of the front ring color of the front ring material of the front ring material of the front ring material of the front ring protection class IP degree of protection NEMA rating shock resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373 operating frequency maximum plastic shape of the actuating element plastic protection (Lass B) poperating frequency maximum product component fron tring product component fro	principle of operation of the actuating element	latching, 2x45° (10:30 h/12 h/13:30 h)
e 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 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 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 mechanical service life (switching cycles) typical  green  green  Handle  Gustomized Ash mm Customized labeling, text in lower case letters  1	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 marking of the actuating element marking of the actuating element customized labeling, text in lower case letters number of switching positions actuating angle e clockwise 45° e 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 e according to IEC 60068-2-27 e for railway applications according to EN 61373 vibration resistance e according to IEC 60068-2-6 e for railway applications according to EN 61373 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 300 000	• light source	Yes
material of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element marking of the actuating element number of switching positions actuating angle e clockwise shape of the 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 for railway applications according to EN 61373 operating frequency maximum prechanical service life (switching cycles) typical  possible frequency maximum plastic  landle adding customized labeling, text in lower case letters name, and maximal service life (switching cycles) typical  shock resistance landle customized labeling, text in lower case letters name, and maximal 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 elockwise 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 according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms category 1, Class B vibration resistance e according to IEC 60068-2-6 of or railway applications according to EN 61373 operating frequency maximum nechanical service life (switching cycles) typical  Handle 38 mm 38 mm Customized labeling, text in lower case letters and maximal service life (switching eycles) typical	color of the actuating element	green
outer diameter of the actuating element marking of the actuating element number of switching positions actuating angle • clockwise • anticlockwise • anticlockwise  Tront 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 • 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 mixed labeling, text in lower case letters  as mused labeling, text in lower case letters  as accurating to lecters  as mused labeling, text in lower case letters  as customized labeling, text in lower case labeling labeli	material of the actuating element	plastic
marking of the actuating element  number of switching positions  actuating angle  • clockwise • anticlockwise  • anticlockwise  • anticlockwise  • anticlockwise  Tront 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  operating frequency maximum  nechanical service life (switching cycles) typical  according to IEC (switching cycles) typical	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  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  45°  45°  45°  45°  45°  45°  45°  45	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 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  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
olockwise	number of switching positions	3
anticlockwise     45°  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     1800 1/h  mechanical service life (switching cycles) typical      Yes     Metal, matt     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      10 500 Hz: 5g     Category 1, Class B  Operating frequency maximum     1800 1/h  mechanical service life (switching cycles) typical	actuating angle	
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  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  mechanical service life (switching cycles) typical	<ul> <li>anticlockwise</li> </ul>	45°
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  ribration 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  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	product component front ring	Yes
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  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 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  1 800 000	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  Category 1, Class B  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  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      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
<ul> <li>◆ for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>Operating frequency maximum</li> <li>1 800 1/h</li> <li>mechanical service life (switching cycles) typical</li> <li>300 000</li> </ul>	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

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=3SU1062-2DL40-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1062-2DL40-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1062-2DL40-0AA0-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=3SU1062-2DL40-0AA0-Z Y12&lang=en

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