## **SIEMENS**

## **Data sheet**



Pushbutton, 22 mm, round, plastic with metal front ring, blue, Front ring, raised momentary contact type, with laser labeling, upper case and lower case, always upper case at beginning of line

product type designation design of the product py designation product type designation product line Plastic with metal front ring, matt, 22 mm  Enclosure  number of command points Actuator  design of the actuating element principle of operation of the actuating element product extension optional elight source contact module color of the actuating element shape of the actuating element material of the actuating element principle of operation of the actuating element product extension optional elight source contact module color of the actuating element shape of the actuating element shape of the actuating element principle of operation of the actuating element plastic shape of the actuating element plastic shape of the actuating element product component front ring design of the front ring product component front ring feesing of the front ring design of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance eacording to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance eacording to IEC 60068-2-6 eacording to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B  vibration resistance eacording to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B  vibration resistance eacording to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B  vibration resistance eacording to IEC 60068-2-7 for railway applications according to EN 61373 Category 1, Class B  vibration resistance eacording to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B  vibration resistance eacording to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B  vibration resistance eacording to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B  vibration resistance eacording to IEC 60068-2-8 for railway applications according to EN 61373 Category 1, Class B	product brand name	SIRIUS ACT	
product type designation product line Plastic with metal front ring, matt, 22 mm  Enclosure number of command points Actuator  design of the actuating element principle of operation of the actuating element product extension optional ight source contact module color of the actuating element patential of the actuating element product extension optional ight source con of the actuating element plastic shape of the actuating element plastic shape of the actuating element pround couter diameter of the actuating element product component front ring protection class IP design of the front ring Metal, matt color of the front ring material 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 according to IEC 60068-2-6 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 3 600 1/h mechanical service IIfe (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	product designation	Pushbuttons	
Product line  Enclosure  number of command points  Actuator  design of the actuating element principle of operation of the actuating element momentary contact type  Product extension optional  • light source	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 product extension optional  • light source No econtact module Yes  color of the actuating element plastic shape of the actuating element pouter diameter of the actuating element pouter diameter of the actuating element pushed in the actuating element pouter diameter of the actuating element pushed in the actuating element element pushed in the actuating element element pushed in the actuating element ele	product type designation	3SU1	
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 Yes color of the actuating element plastic shape of the actuating element pout outer diameter of the actuating element arking of the actuating element pure outer diameter of the actuating element arking of the actuating element product component front ring thing the front ring tolor of the rind the rind tolor of the ri	product line	Plastic with metal front ring, matt, 22 mm	
Actuator  design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional  • light source • contact module  color of the actuating element plastic shape of the a	Enclosure		
design of the actuating element principle of operation of the actuating element product extension optional	number of command points	1	
principle of operation of the actuating element product extension optional  • light source • contact module  color of the actuating element	Actuator		
product extension optional    Iight source   Yes	design of the actuating element	Flat button	
● 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  Pront ring  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 material of the front ring color of the front ring material of the front ring sand gray  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 reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	principle of operation of the actuating element	momentary contact type	
contact module     color of the actuating element     material of the actuating element     shape of the actuating element     outer diameter of the actuating element     customized labeling, text in lower case / capital letters, all lines start with capital letter  Front ring  product component front ring     design of the front ring     material of the front ring	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 lines start with capital letter  Front ring  product component front ring design 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 of or railway applications according to EN 61373  vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373  vibration resistance oe according to IEC 60068-2-6 of ror aliway applications according to EN 61373  vibration resistance oe according to IEC 60068-2-6 of ror aliway applications according to EN 61373  operating frequency maximum according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	• light source	No	
material of the actuating element shape of the actuating element outer diameter of the actuating element  marking of the actuating element  product component front ring 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  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  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  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  vibration resistance  according to IEC 60068-2-6 for railway applications according to EN 61373  category 1, Class B  vibration resistance  according to IEC 81346-2 S  Substance Prohibitance (Date)  Ambient conditions	contact module	Yes	
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 lines start with capital letter  Front ring  product component front ring design of the front ring Metal, matt 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 mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	color of the actuating element	blue	
outer diameter of the actuating element  marking of the actuating element  Customized labeling, text in lower case / capital letters, all lines start with capital letter  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  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	material of the actuating element	plastic	
marking of the actuating element  Customized labeling, text in lower case / capital letters, all lines start with capital letter  Pront ring  product component front ring	shape of the actuating element	round	
product component front ring 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 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 generating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	outer diameter of the actuating element	29.5 mm	
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  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  category 1, Class B  operating frequency maximum  according to IEC 80068-2-6  for railway applications according to EN 61373  category 1, Class B  operating frequency maximum  according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	marking of the actuating element		
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  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 3 600 1/h  mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	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 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions	product component front ring	Yes	
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  • 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  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	design of the front ring	high	
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  operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014  Ambient conditions	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  • 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  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	color of the front ring	sand gray	
degree of protection NEMA rating  shock resistance	General technical data		
shock resistance	protection class IP	IP66, IP67, IP69(IP69K)	
according to IEC 60068-2-27     of railway applications according to EN 61373  vibration resistance     according to IEC 60068-2-6     of railway applications according to EN 61373  category 1, Class B  vibration resistance     of railway applications according to EN 61373  category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
<ul> <li>for railway applications according to EN 61373</li> <li>Vibration resistance         <ul> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> </ul> </li> <li>Operating frequency maximum         <ul> <li>3 600 1/h</li> </ul> </li> <li>mechanical service life (switching cycles) typical</li> <li>0000 000</li> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Ambient conditions</li> </ul>	shock resistance		
vibration resistance	<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>3 600 1/h</li> <li>mechanical service life (switching cycles) typical</li> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Ambient conditions</li> </ul>	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B	
● for railway applications according to EN 61373  Operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  Category 1, Class B  10 000 000  10 000 000  10 000 000  10 000 00	vibration resistance		
operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g	
mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B	
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions	operating frequency maximum	3 600 1/h	
Substance Prohibitance (Date)  Ambient conditions  10/01/2014	mechanical service life (switching cycles) typical	10 000 000	
Ambient conditions	reference code according to IEC 81346-2	S	
	Substance Prohibitance (Date)	10/01/2014	
ambient temperature	Ambient conditions		
	ambient temperature		

<ul> <li>during operation</li> </ul>	-25 +70 °C
<ul> <li>during storage</li> </ul>	-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	18.1 mm
installation width	29.5 mm
installation depth	24.3 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=3SU1030-0CB50-0AA0-Z Y10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-0CB50-0AA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-0CB50-0AA0-Z Y10

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=3SU1030-0CB50-0AA0-Z Y10&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-0CB50-0AA0-Z Y10&lang=en</a>

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