SIEMENS

Data sheet



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, clear, pushbutton, flat momentary contact type, with laser labeling, lower case

product designation design of the product product type designation product type designation product time Plastic with metal front ring, matt, 22 mm Plastic with metal front ring, was a considered with momentary contact type Product extension optional Plastic with was a considered with momentary contact type Product extension optional Plastic was a considered with a considered with momentary contact type Product extension optional Plastic was a considered with a	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 Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic plastic shape of the actuating element couter diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case letters Front ring Yes design of the front ring Metal, matt color of the front ring and 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 60068-2-6 • 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 3 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/10/1/2014 Ambient conditions ambient temperature	product designation	Illuminated pushbuttons
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 momentary contact type product extension optional • light source Yes • contact module Yes color of the actuating element plastic round outer diameter of the actuating element couter diameter of the actuating element Customized labeling, text in lower case letters Front ring product component front ring Standard Metal, matt sool of the front ring Sand gray color 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 EC 60068-2-7 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to EC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to EC 60068-2-6 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to EC 81346-2 S Substance Prohibitance (Date) 10//01/2014 Ambient conditions ambient temperature	design of the product	Actuating/signaling element
Inclosure 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 Yes contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element cuter diameter of the actuating element plastic shape of the actuating element cuter diameter of the actuating element plastic shape of the actuating element cuter diameter of the actuating element plastic shape of the actuating element cuter diameter of the actuating element plastic shape of the actuating element cuter diameter of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element actuating element plastic shape of the front ring shape of the actuating element plastic shape of the actuating elemen	product type designation	3SU1
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 Yes color of the actuating element clear material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Customized labeling, text in lower case letters Front ring product component front ring Yes design of the front ring Metal, matt color of the front ring sand gray Color 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 60068-2-7 sinusoidal half-wave 15g / 11 ms category 1, Class B vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) Ambient conditions ambient temperature	product line	Plastic with metal front ring, matt, 22 mm
design of the actuating element principle of operation of the actuating element principle of operation of the actuating element product extension optional • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case letters Front ring product component front ring Yes design of the front ring Metal, matt color of the front ring Sandard material 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 • 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 life (switching cycles) typical 7 600000000000000000000000000000000000	Enclosure	
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principle of operation of the actuating element product extension optional • light source • contact module color of the actuating element 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 couter diameter of the actuating element marking of the actuating element product component front ring yes design 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 aconous product conduct the food of	Actuator	
product extension optional light source Yes	design of the actuating element	Flat button
light source Yes	principle of operation of the actuating element	momentary contact type
color of the actuating element clear material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element Customized labeling, text in lower case letters 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 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-7 sinusoidal half-wave 15g / 11 ms 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 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 S Substance Prohibitance (Date) Ambient conditions ambient temperature	product extension optional	
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material of the actuating element shape of the actuating element outer diameter of the actuating element customized labeling, text in lower case letters Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring general technical data protection class IP lege 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 ambient temperature	contact module	Yes
material of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element 29.5 mm marking of the actuating element Customized labeling, text in lower case letters 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 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical 3 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	color of the actuating element	clear
outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case letters 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 • for railway applications according to EN 61373 operating frequency maximum mechanical service life (switching cycles) typical mechanical service life (switching cycles) typical ambient temperature	material of the actuating element	plastic
marking of the actuating element Customized labeling, text in lower case letters Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring General technical data protection class IP 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 mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	shape of the actuating element	round
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 • 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 ambient temperature	outer diameter of the actuating element	29.5 mm
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 **eneral technical technical data protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance **eneral technical technical data **protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance **eneral technical technical data protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance **eneral technical techni	marking of the actuating element	Customized labeling, text in lower case letters
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 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 a 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) ambient temperature	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 category 1, Class B vibration resistance for railway applications according to EN 61373 category 1, Class B 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 ambient temperature	product component front ring	Yes
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 a 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) ambient temperature	design of the front ring	Standard
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 • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B vibration frequency maximum • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum a 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	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 3 600 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	color of the front ring	sand gray
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 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 ambient temperature	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 3 600 1/h mechanical service life (switching cycles) typical 3 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	protection class IP	IP66, IP67, IP69(IP69K)
 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 3 600 1/h mechanical service life (switching cycles) typical 3 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature 	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	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
 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 3 000 000 reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature 	for railway applications according to EN 61373	Category 1, Class B
● 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 ambient temperature	vibration resistance	
operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions ambient temperature	according to IEC 60068-2-6	10 500 Hz: 5g
mechanical service life (switching cycles) typical 3 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	for railway applications according to EN 61373	Category 1, Class B
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	operating frequency maximum	3 600 1/h
Substance Prohibitance (Date) Ambient conditions ambient temperature	mechanical service life (switching cycles) typical	3 000 000
Ambient conditions ambient temperature	reference code according to IEC 81346-2	S
ambient temperature	Substance Prohibitance (Date)	10/01/2014
	Ambient conditions	
• during operation -25 +70 °C	ambient temperature	
Zo 10 O	 during operation 	-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	11 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=3SU1031-0AB70-0AA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1031-0AB70-0AA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1031-0AB70-0AA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1031-0AB70-0AA0-Z Y12&lang=en

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