## **SIEMENS**

## **Data sheet**



Illuminated pushbutton, 22 mm, round, plastic with metal front ring, yellow, pushbutton, raised momentary contact type, with laser labeling, upper case

product designation design of the product product type designation product type designation product type designation product time  Enclosure number of command points  Actuating sign of the actuating element product extension optional ight source e coinact module color of the actuating element material of the actuating element product extension optional ight source plastic shape of the actuating element product over diameter of the actuating element product extension optional ight source plastic shape of the actuating element shape of the actuating element product diameter 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 lefe, IP67, IP69(IP69K) degree of protection NEMA rating product component scoording to EN 61373 vibration resistance according to IEC 60068-2-27 for railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 for railway applications according to EN 61373 category 1, Class B  ca	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 yellow material of the actuating element yellow material of the actuating element outer diameter of the actuating element arking of the actuating element yellow marking of the actuating element Any inscription, text in upper case  Front ring product component front ring design of the front ring material of the front ring Metal, matt sond gray  General technical data protection class IP degree of protection NEMA rating 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  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 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 momentary contact type  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 Any inscription, text in upper case  Front ring  product component front ring Standard Metal, matt color of the front ring Metal, matt 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 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B  Vibration resistance • according to IEC 60068-2 Stypical Substance Prohibitance (Date)  Anbient conditions  ambient temperature	design of the product	Actuating/signaling element
Inmber of command points  Actuator  design of the actuating element momentary contact type  product extension optional  ilight source Yes color of the actuating element yellow material of the actuating element plastic shape of the actuating element yellow cuter diameter of the actuating element and the actuating element yellow outer diameter of the actuating element Any inscription, text in upper case  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  ibration resistance  according to IEC 60088-2-6  for railway applications according to EN 61373 Category 1, Class B  operating frequency maximum 3 600 t/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2  Substance Prohibitance (Date)  Anbient conditions  ambient temperature	product type designation	3SU1
number of command points    Actuator	product line	Plastic with metal front ring, matt, 22 mm
design of the actuating element momentary contact type momentary contact type    Fight source	Enclosure	
design of the actuating element principle of operation of the actuating element product extension optional elight source contact module yes color of the actuating element podute actuating element plastic shape of the actuating element outer diameter of the actuating element product component 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 e according to IEC 60068-2-7 e for railway applications according to EN 61373  operating frequency maximum product componit front ine C 81346-2 substance Prohibitance (Date) Ambient conditions ambient temperature	number of command points	1
principle of operation of the actuating element product extension optional  • light source • contact module Ves  color of the actuating element material of the actuating element yellow material of the actuating element outer diameter of the actuating element marking of the actuating element Any inscription, text in upper case  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  operating frequency maximum 3 operating frequency maximum 3 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitiance (Date) Ambient temperature	Actuator	
product extension optional    light source   Yes	design of the actuating element	Raised button
Ight source  color of the actuating element material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element product component front ring groduct 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 operating frequency maximum enditor temperature  Pyes  Yes Any inscription, text in upper case  Pyes  Head, matt Color of the front ring Standard Metal, matt Color of the front ring Metal, matt Color o	principle of operation of the actuating element	momentary contact type
color of the actuating element yellow material of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element 4Any inscription, text in upper case Front ring product component front ring Yes design 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, 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 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014  Ambient conditions ambient temperature	product extension optional	
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element narking of the actuating element product component front ring 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 of or railway applications according to EN 61373 vibration resistance according to IEC 60068-2-6 of or railway applications according to EN 61373 category 1, Class B  operating frequency maximum nechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	• light source	Yes
material of the actuating element round outer diameter of the actuating element 29.5 mm marking of the actuating element Any inscription, text in upper case  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	contact module	Yes
shape of the actuating element outer diameter of the actuating element Pront ring  product component front ring design of the front ring material of the front ring Metal, matt color of the front ring  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 protections ambient temperature	color of the actuating element	yellow
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  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  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	material of the actuating element	plastic
marking of the actuating element  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  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  **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  ambient temperature	marking of the actuating element	Any inscription, text in upper case
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 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 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	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 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 a 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  sinusoidal half-wave 15g / 11 ms  • 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 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	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  3 600 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  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  ambient temperature	color of the front ring	sand gray
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	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)
<ul> <li>according to IEC 60068-2-27</li> <li>for railway applications according to EN 61373</li> <li>vibration resistance</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</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>3 000 000</li> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Ambient conditions</li> <li>ambient temperature</li> </ul>	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>3 000 000</li> </ul> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Ambient conditions</li> <li>ambient temperature</li>	shock resistance	
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  ambient temperature	<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>3 000 000</li> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Ambient conditions</li> <li>ambient temperature</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  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  3 600 1/h  mechanical service life (switching cycles) typical  7 3 000 000  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	<ul> <li>according to IEC 60068-2-6</li> </ul>	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	
	<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	16.2 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=3SU1031-0BB30-0AA0-Z Y11

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1031-0BB30-0AA0-Z\ Y11}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1031-0BB30-0AA0-Z Y11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1031-0BB30-0AA0-Z Y11&lang=en

last modified: 1/26/2022 🖸