## **SIEMENS**

## **Data sheet**



Illuminated twin pushbutton, 22 mm, round, plastic with metal front ring, green, red, pushbuttons, flat, with laser labeling, upper case and lower case, always upper case at beginning of line

product designation design of the product Actualing/signaling element product type designation product type designation product go designation product go designation product go designation product line Plastic with metal front ring, matt, 22 mm  Plastic with metal front ring, matt, 22 mm  Plastic with metal front ring, matt, 22 mm  Product extension optional   ilight source	product brand name	SIRIUS ACT
design of the product poeting and product type designation product time Pilastic with metal front ring, matt, 22 mm  Product time Pilastic with metal front ring, matt, 22 mm  Product time Pilastic with metal front ring, matt, 22 mm  Product extension options 1  Actuator   design of the actuating element Product extension optional Plastic with metal front ring product extension optional Plastic with metal front ring Plastic Pla	·	
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 momentary contact type product extension optional  elight source Yes contact module Yes color of the actuating element plastic shape of the actuating element plastic		·
product line Plastic with metal front ring, matt, 22 mm  Enclosure  number of command points  Actuator  design of the actuating element product extension optional elight source  contact module Yes  contact module Yes  cotor of the actuating element plastic marking of the actuating element yes actuating element plastic marking of the actuating element plastic marking of the actuating element oval marking of the actuating element capital eleter  product extension optional yes shape of the actuating element plastic shape of the actuating element oval marking of the actuating element capital eleter  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 material of the front ring yes general technical data  protection class IP Ple6, 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 cacording to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms Category 1, Class B  vibration resistance according to EN 61373 Category 1, Class B  vibration resistance according to EN 61373 Category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical reference code according to IEC 61346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature during operation - 25 +70 °C		
Enclosure  number of command points  1. Actuator  design of the actuating element product extension optional elight source  • contact module yes  • contact module yes  • contact module green / red  material of the actuating element oval  material of the actuating element apital letters, all lines start with capital letter  product component front ring yes  design of the front ring Standard  material of the front ring Metal, matt  color of the front ring and real protection class IP  product component front ring yes of the front ring general adala being and real start with resistance  according to IEC 60068-2-27  according to IEC 60068-2-5  according to IEC 60068-2-6  according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  additional according to IEC 81346-2  according to IEC 8106-1  according to IEC 8106-1  according to IEC 8106-1  accor		
number of command points  Actuator  design 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 oval material of the actuating element plastic shape of the actuating element oval marking of the actuating element Shape of the actuating element Ashape of the actuating element oval marking of the actuating element Shape of the actuating element Ashape of the actuating element Shape of the actuating eleme		3, va,
Actuator  design of the actuating element principle of operation of the actuating element momentary contact type  product extension optional pight source Yes contact module Yes contact module Yes contact module Yes contact module glement green / red material of the actuating element plastic shape of the actuating element oval customized labeling, text in lower case / capital letters, all lines start with capital letter  Front ring  Product component front ring Yes design of the front ring Standard material of the front ring sand gray  General technical data  Protection class IP degree for 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  e according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum 36001/h  mechanical service life (operating cycles) typical 2000 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date)  Ambient conditions  ambient temperature during operation - 25 +70 °C		1
principle of operation of the actuating element product extension optional  • light source • contact module Color of the actuating element green / red material of the actuating element product component front ring design of the front ring material of the front ring product component front ring material of the front ring material of the front ring 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 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 61373 Category 1, Class B  vibration resistance • according to IEC 60068-2-8 • for railway applications according to EN 6		
Product extension optional   Iight source   Yes	design of the actuating element	Flat buttons, illuminated
Ight source   Yes   Yes	principle of operation of the actuating element	momentary contact type
color of the actuating element green / red material of the actuating element oval marking of the actuating element oval marking of the actuating element capital letter oval marking of the actuating element capital letter capital letters, all lines start with capital letter  Front ring  Front ring  Front ring  Standard material 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 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 rallway applications according to EN 61373 Category 1, Class B  vibration resistance  according to IEC 60068-2-6 10 500 Hz: 5g  for rallway applications according to EN 61373 Category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 2 000 000  reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature  during operation - 25 +70 °C	product extension optional	
color of the actuating element green / red material of the actuating element plastic shape of the actuating element oval 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 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	• light source	Yes
material of the actuating element oval 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 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 60068-2-27 sinusoidal half-wave 15g / 11 ms  of or railway applications according to EN 61373 Category 1, Class B  vibration resistance  according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical 2 000 000  reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature  during operation		Yes
shape of the actuating element  marking of the actuating element  customized labeling, text in lower case / capital letters, all lines start with capital letter  product component 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  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 (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  during operation	color of the actuating element	green / red
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  design of the front ring  Metal, matt color of the front ring  Standard  Metal, matt color of the front ring  gand gray  General technical data  protection class IP  IP66, IP67, IP69(IP69K)  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 frequency maximum  should be should	material of the actuating element	plastic
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 (operating cycles) typical 2 000 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature • during operation -25 +70 °C	shape of the actuating element	oval
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  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 (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  ambient temperature  during operation  -25 +70 °C	marking of the actuating element	
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 sinusoidal half-wave 15g / 11 ms 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 soperating frequency maximum according to IEC 81346-2 Substance Prohibitance (Date) 10/01/2014  Ambient conditions ambient temperature oduring operation	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  vibration resistance for railway applications according to EN 61373 category 1, Class B  category 1, Class B  vibration resistance for railway applications according to EN 61373 category 1, Class B  operating frequency maximum should be should b	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  • 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 (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation  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  2 000 000  Category 1, Class B  3 600 1/h  Molon 1/2014  Ambient conditions  ambient temperature  • during operation  -25 +70 °C	design of the front ring	Standard
protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	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  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  during operation  -25 +70 °C	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  • for railway applications according to EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  preference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation  -25 +70 °C	General technical data	
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 (operating cycles) typical  2 000 000  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation  -25 +70 °C	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 (operating cycles) typical 2 000 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature     during operation -25 +70 °C	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
• 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            • for railway applications according to EN 61373            • category 1, Class B            • operating frequency maximum	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 (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation  -25 +70 °C	<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
according to IEC 60068-2-6     o for railway applications according to EN 61373     operating frequency maximum     3 600 1/h     mechanical service life (operating cycles) typical     reference code according to IEC 81346-2     Substance Prohibitance (Date)  Ambient conditions  ambient temperature     o during operation      10 500 Hz: 5g     Category 1, Class B     2 000 000      10/h     10/00 000      10/00 000      3	<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 (operating cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  10/01/2014  Ambient conditions  ambient temperature  ● during operation  -25 +70 °C	vibration resistance	
operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  2 000 000  reference code according to IEC 81346-2  Substance Prohibitance (Date)  10/01/2014  Ambient conditions  ambient temperature  • during operation  -25 +70 °C	<ul><li>according to IEC 60068-2-6</li></ul>	10 500 Hz: 5g
mechanical service life (operating cycles) typical 2 000 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature  • during operation -25 +70 °C	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation  -25 +70 °C	operating frequency maximum	3 600 1/h
Substance Prohibitance (Date)  Ambient conditions  ambient temperature  • during operation  -25 +70 °C	mechanical service life (operating cycles) typical	2 000 000
Ambient conditions  ambient temperature  • during operation  -25 +70 °C	reference code according to IEC 81346-2	S
ambient temperature  ● during operation  -25 +70 °C	Substance Prohibitance (Date)	10/01/2014
• during operation -25 +70 °C	Ambient conditions	
5 G (F)	ambient temperature	
• during storage -40 +80 °C	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	57.9 mm
width	29.9 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	14.4 mm
installation width	29.9 mm
installation depth	25.7 mm
Certificates/ approvals	
Further information	

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1031-3AB42-0AA0-Z Y10

Cax online generator

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1031-3AB42-0AA0-Z Y10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1031-3AB42-0AA0-Z Y10&lang=en