## 3SU1001-0AB30-0AA0-Z Y19

## **Data sheet**



Illuminated pushbutton, 22 mm, round, plastic, yellow, pushbutton, flat momentary contact type, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

product designation design of the product product type designation product line Plastic, black, 22 mm Plastic, black, 23 mm Plastic, black, 24 mm Plastic, black, 25 mm Plastic,	product brand name	SIRIUS ACT	
product type designation product line Plastic, black, 22 mm  Enclosure  number of command points 1  Actuator  design of the actuating element principle of operation 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 round outer diameter of the actuating element araking of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  Front ring  product component front ring Yes  design of the front ring plastic  color of the front ring plastic  shape of the actuating element round outer diameter of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  Front ring  product component front ring Standard plastic  color of the front ring plastic  color of the front ring black  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  • acc. to IEC 60068-2-27 Sinusoidal half-wave 50g / 11 ms  Category 1, Class B  vibration resistance  • acc. 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 7 source of the contact of the	product designation	Illuminated pushbuttons	
product line  Enclosure  number of command points  Actuator  design of the actuating element principle of operation of the actuating element will principle of operation optional  ilight source Yes  color of the actuating element yellow material of the actuating element pouter diameter of the actuating element yellow material of the actuating element yellow outer diameter of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  Front ring  product component front ring Yes design of the front ring Standard material of the front ring plastic color of the front ring black  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  acc. to IEC 60068-2-27 Sinusoidal half-wave 50g / 11 ms Gategory 1, Class B  vibration resistance  acc. to IEC 60068-2-6  for railway applications acc. to DIN EN 61373 Category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2  S	design of the product	Actuating/signaling element	
Enclosure number of command points  Actuator  design of the actuating element product extension optional  • light source • contact module color of the actuating element yellow material of the actuating element outer diameter of the actuating element marking of the actuating element with actuating element outer diameter of the actuating element arking of the actuating element product component front ring design of the front ring product component front ring feneral element product component front ring design of the front ring product component front ring feneral element plastic color of the front ring general technical data protection class IP element element for railway applications acc. to DIN EN 61373 operating frequency maximum mechanical service life (switching cycles) typical reference code acc. to IEC 81348-2  Flat button momentary contact type  Plat button momentary contact type  Pros momentary contact type  Pres  Pres  Yes  Yes  Ay inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  Front ring  Pres  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  Front ring  Pres  Standard  patient  Pres  P	product type designation	3SU1	
number of command points  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 material of the actuating element product diameter of the actuating element parking of the actuating element product component front ring design of the front ring material of the ront ring product component front ring design of the front ring glastic color of the front ring plastic color of the actuating element plastic product component front ring product component front ring design of the front ring glastic color of the front ring plastic color of the front ring flastic color of the front ring color of the front ring degree of protection NEMA rating shock resistance • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. to DIN EN 61373 category 1, Class B • for railway applications acc. t	product line	Plastic, black, 22 mm	
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 product extension extension optional ight source contact module color of the actuating element product extension extensi	Enclosure		
design of the actuating element principle of operation of the actuating element product extension optional  • 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 arking of the actuating element product component front ring product component front ring gatesian of the front ring material of the front ring protection class IP degree of protection NEMA rating element eac. to IEC 60068-2-27 of or railway applications acc. to DIN EN 61373 operating frequency maximum mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2  Fight survey product extension of the actuating element plastic color of the front ring plastic color of the front ring plastic color of the front ring category 1, Class B category 1, Cl	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 pastic shape of the actuating element pouter diameter of the actuating element product component front ring product component front ring product component front ring product component front ring plastic color of the front ring plastic color of the front ring plastic shape protection class IP protection class IP degree of protection NEMA rating shock resistance acc. to IEC 60068-2-27 sinusoidal half-wave 50g / 11 ms of or railway applications acc. to DIN EN 61373 vibration resistance acc. to IEC 60068-2-6 for railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 S	Actuator		
product extension optional  ● light source ● contact module Yes Color of the actuating element yellow material of the actuating element outer diameter of the actuating element arking of the actuating element outer diameter of the actuating element Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  Front ring product component front ring design of the front ring color of the front ring general technical data protection class IP degree of protection NEMA rating shock resistance ● acc. to IEC 60068-2-27 ● for railway applications acc. to DIN EN 61373 operating frequency maximum nechanical service life (switching cycles) typical reference code acc. to IEC 81346-2  Yes Any inscription, text or symbol, can only be ordered via SIRIUS ACT cound cound dentification Number (CIN)  Yes Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration ldentification Number (CIN)  Front ring Yes Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration ldentification Number (CIN)  Front ring Yes design of the front ring Standard material of the front ring black  General technical data protection class IP  degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  Shock resistance  • acc. to IEC 60068-2-27  • Sinusoidal half-wave 50g / 11 ms  • for railway applications acc. to DIN EN 61373  Category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical 3 000 000  reference code acc. to IEC 81346-2	design of the actuating element	Flat button	
● 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  plastic  29.5 mm  marking of the actuating element  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration identification Number (CIN)  Front ring  product component front ring  design of the front ring  glastic  color of the front ring  color of the front ring  protection class IP  degree of protection NEMA rating  shock resistance  acc. to IEC 60068-2-27  for railway applications acc. to DIN EN 61373  operating frequency maximum  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2  Yes  yellow  ### 1704  ### 29.5 mm  Any inscription, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration, text or symbol, can only be ordered via SIRIUS ACT  configuration ledutine, and symbol, can only be ordered via SIRIUS ACT  configuration ledutine, and symbol,	principle of operation of the actuating element	momentary contact type	
ontact 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     marking of the actuating element     Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  Front ring  product component front ring     Standard     material of the front ring     color of the front ring     plastic     color of the front ring     color of the front ring     protection class IP     degree of protection NEMA rating     shock resistance         acc. to IEC 60068-2-27         sinusoidal half-wave 50g / 11 ms         of or railway applications acc. to DIN EN 61373     vibration resistance         acc. to IEC 60068-2-6         of or railway applications acc. to DIN EN 61373         Category 1, Class B  operating frequency maximum         3 600 1/h         mechanical service life (switching cycles) typical     reference code acc. to IEC 81346-2	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  product component front ring product component front ring gesign of the front ring color of the front ring material of the front ring protection class IP degree of protection NEMA rating shock resistance e acc. to IEC 60068-2-27 e for railway applications acc. to DIN EN 61373  operating frequency maximum mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2  yellow plastic plas	• light source	Yes	
material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element  Possible actuating element  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuratori/Configuration Identification Number (CIN)  Front ring  product component front ring design of the front ring material of the front ring plastic color of the front ring color of the front ring protection class IP degree of protection NEMA rating shock resistance  • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373  vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373  category 1, Class B  operating frequency maximum mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2  Sinusoidal resistance a 3 000 000 reference code acc. to IEC 81346-2	contact module	Yes	
shape of the actuating element outer diameter of the actuating element marking of the actuating element  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  Front ring  product component front ring design of the front ring material of the front ring color of the front ring black  General technical data  protection class IP degree of protection NEMA rating shock resistance  • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373  vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373  category 1, Class B  operating frequency maximum  a 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2  Sinusoidal alf-wave 50g / 11 ms Category 1, Class B  operating frequency maximum  3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2  Sinusoidal service life (switching cycles) typical	color of the actuating element	yellow	
outer diameter of the actuating element     29.5 mm       marking of the actuating element     Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN)       Front ring       Yes       design of the front ring       Standard       material of the front ring       Color of the front ring       Black       General technical data       IP66, IP67, IP69(IP69K)       degree of protection NEMA rating     1, 2, 3, 3R, 4, 4X, 12, 13       shock resistance       • acc. to IEC 60068-2-27     Sinusoidal half-wave 50g / 11 ms       • for railway applications acc. to DIN EN 61373     Category 1, Class B       vibration resistance       • acc. to IEC 60068-2-6     10 500 Hz: 5g       • for railway applications acc. to DIN EN 61373     Category 1, Class B       operating frequency maximum       mechanical service life (switching cycles) typical       reference code acc. to IEC 81346-2       S	material of the actuating element	plastic	
marking of the actuating element  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)  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  acc. to IEC 60068-2-27  for railway applications acc. to DIN EN 61373  vibration resistance  acc. to IEC 60068-2-6  for railway applications acc. to DIN EN 61373  operating frequency maximum  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2  Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration ldentification Number (CIN)  Yes  Standard  Pyes  Standard  plastic  black  Ble6, IP67, IP69(IP69K)  1, 2, 3, 3R, 4, 4X, 12, 13  Sinusoidal half-wave 50g / 11 ms  Category 1, Class B  Operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2	shape of the actuating element	round	
product component front ring product component front ring design of the front ring material of the front ring color of the front ring plastic color of the front ring protection class IP degree of protection NEMA rating shock resistance	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  plastic  black  General technical data  protection class IP  degree of protection NEMA rating  shock resistance  • acc. to IEC 60068-2-27  for railway applications acc. to DIN EN 61373  vibration resistance  • acc. to IEC 60068-2-6  • for railway applications acc. to DIN EN 61373  category 1, Class B  vibration resistance  • acc. to IEC 60068-2-6  • for railway applications acc. to DIN EN 61373  category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2	marking of the actuating element		
design of the front ring material of the front ring plastic color of the front ring black  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 • acc. to IEC 60068-2-27 Sinusoidal half-wave 50g / 11 ms • for railway applications acc. to DIN EN 61373 Category 1, Class B  vibration resistance • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 Category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (switching cycles) typical reference code acc. to IEC 81346-2 S	Front ring		
material of the front ring  color of the front ring  black  General technical data  protection class IP  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  acc. to IEC 60068-2-27  for railway applications acc. to DIN EN 61373  vibration resistance  acc. to IEC 60068-2-6  for railway applications acc. to DIN EN 61373  category 1, Class B  vibration resistance  for railway applications acc. to DIN EN 61373  category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2  S	product component front ring	Yes	
color of the front ring  General technical data  protection class IP  degree of protection NEMA rating  shock resistance  • acc. to IEC 60068-2-27  for railway applications acc. to DIN EN 61373  vibration resistance  • acc. to IEC 60068-2-6  • for railway applications acc. to DIN EN 61373  category 1, Class B  vibration resistance  • for railway applications acc. to DIN EN 61373  category 1, Class B  operating frequency maximum  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2  solution  in Diack  IP66, IP67, IP69(IP69K)  1, 2, 3, 3R, 4, 4X, 12, 13  Sinusoidal half-wave 50g / 11 ms  Category 1, Class B  Category 1, Class B  3 600 1/h  3 000 000	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  • acc. to IEC 60068-2-27 Sinusoidal half-wave 50g / 11 ms  • for railway applications acc. to DIN EN 61373 Category 1, Class B  vibration resistance  • acc. to IEC 60068-2-6 10 500 Hz: 5g  • for railway applications acc. to DIN EN 61373 Category 1, Class B  operating frequency maximum 3 600 1/h  mechanical service life (switching cycles) typical 3 000 000  reference code acc. to IEC 81346-2 S	material of the front ring	plastic	
protection class IP  degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  • acc. to IEC 60068-2-27  • for railway applications acc. to DIN EN 61373  vibration resistance  • acc. to IEC 60068-2-6  • for railway applications acc. to DIN EN 61373  Category 1, Class B  vibration resistance  • for railway applications acc. to DIN EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2	color of the front ring	black	
degree of protection NEMA rating  1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance  • acc. to IEC 60068-2-27  • for railway applications acc. to DIN EN 61373  vibration resistance  • acc. to IEC 60068-2-6  • for railway applications acc. to DIN EN 61373  Category 1, Class B  vibration resistance  • acc. to IEC 60068-2-6  • for railway applications acc. to DIN EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2  S	General technical data		
shock resistance  • acc. to IEC 60068-2-27  • for railway applications acc. to DIN EN 61373  vibration resistance  • acc. to IEC 60068-2-6  • for railway applications acc. to DIN EN 61373  Category 1, Class B  vibration resistance  • for railway applications acc. to DIN EN 61373  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2  Sinusoidal half-wave 50g / 11 ms  Category 1, Class B  10 500 Hz: 5g  3 000 000	protection class IP	IP66, IP67, IP69(IP69K)	
<ul> <li>acc. to IEC 60068-2-27</li> <li>for railway applications acc. to DIN EN 61373</li> <li>Category 1, Class B</li> <li>vibration resistance</li> <li>acc. to IEC 60068-2-6</li> <li>for railway applications acc. to DIN 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 acc. to IEC 81346-2</li> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
	shock resistance		
vibration resistance	• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms	
<ul> <li>acc. to IEC 60068-2-6</li> <li>for railway applications acc. to DIN EN 61373</li> <li>Category 1, Class B</li> <li>operating frequency maximum</li> <li>mechanical service life (switching cycles) typical</li> <li>3 000 000</li> <li>reference code acc. to IEC 81346-2</li> </ul>	<ul> <li>for railway applications acc. to DIN EN 61373</li> </ul>	Category 1, Class B	
● for railway applications acc. to DIN EN 61373  Category 1, Class B  operating frequency maximum  mechanical service life (switching cycles) typical  reference code acc. to IEC 81346-2  S  Category 1, Class B  3 600 1/h  3 000 000	vibration resistance		
operating frequency maximum3 600 1/hmechanical service life (switching cycles) typical3 000 000reference code acc. to IEC 81346-2S	• acc. to IEC 60068-2-6	10 500 Hz: 5g	
mechanical service life (switching cycles) typical 3 000 000  reference code acc. to IEC 81346-2 S	• for railway applications acc. to DIN EN 61373	Category 1, Class B	
reference code acc. to IEC 81346-2	operating frequency maximum	3 600 1/h	
	mechanical service life (switching cycles) typical	3 000 000	
Ambient conditions	reference code acc. to IEC 81346-2	S	
	Ambient conditions		

<ul> <li>ambient temperature during operation</li> </ul>	-25 +70 °C
<ul> <li>ambient temperature during storage</li> </ul>	-40 +80 °C
environmental category during operation acc. 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=3SU1001-0AB30-0AA0-Z Y19

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-0AB30-0AA0-Z Y19

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-0AB30-0AA0-Z Y19

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=3SU1001-0AB30-0AA0-Z Y19&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1001-0AB30-0AA0-Z Y19&lang=en</a>

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