## SIEMENS

## Data sheet

## 3SU1000-0CB30-0AA0-Z Y19



Pushbutton, 22 mm, round, plastic, yellow, Front ring, raised momentary contact type, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

product brand name         SIRIUS ACT           product designation         Pushbuttons           design of the product         Actuating/signaling element           product type designation         3SU1           product line         Plastic, black, 22 mm           Enclosure         Indexed           design of the actuating element         Flat button           principle of operation of the actuating element         momentary contact type           product extension optional         No           • light source         No           • contact module         Yes           color of the actuating element         plastic           shape of the actuating element         position           marking of the actuating element         Any inscription, text or symbol, can only be ordered via SIRUS ACT           color of the actuating element         Any inscription, text or symbol, can only be ordered via SIRUS ACT           product component front ring         Yes           design of the front ring         plastic           protection class IP         IP66, IP67, IP69(IP69K)           degree of protection NEMA rating         1, 2, 3, 3R, 4, 4X, 12, 13           shock resistance         acc. to IC & Conse-2.27           e for railway applications acc. to DIN EN 61373         Category 1, Class B </th <th></th> <th></th>		
protect       Actuating/signaling element         product type designation       3SU1         product line       Plastic, black, 22 mm         Enclosure       I         Actuator       I         design of the actuating element       Flat button         principle of operation of the actuating element       momentary contact type         product extension optional       No         • light source       No         • contact module       Yes         color of the actuating element       plastic         shape of the actuating element       29.5 mm         marking of the actuating element       Any inscription, text or symbol, can only be ordered via SIRUS ACT configuration Identification Number (CIN)         Front ring       plastic         product component front ring       plastic         color of the front ring       black         General technical data       protection neas IP         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 50g / 1	product brand name	SIRIUS ACT
product type designation         3SU1           product line         Plastic, black, 22 mm           Enclosure         number of command points         1           Actuator         flat button           design of the actuating element         Flat button           principle of operation of the actuating element         momentary contact type           product extension optional         ight source         No           • light source         No         vellow           material of the actuating element         yellow         material of the actuating element           material of the actuating element         zpistic         shape of the actuating element           material of the actuating element         zpistic         configuration.text or symbol, can only be ordered via SIRIUS ACT           configurator/Configuration Identification Number (CIN)         front ring         yellow           product component front ring         Yes         design of the front ring           plastic         color of the front ring         black           General technical data         protection nses 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 haft-waves 50g / 11 ms         category 1, Class B <th>product designation</th> <th>Pushbuttons</th>	product designation	Pushbuttons
product line       Plastic, black, 22 mm         product line       Plastic, black, 22 mm         number of command points       1         Actuator       design of the actuating element         principle of operation of the actuating element       Flat button         principle of operation of the actuating element       momentary contact type         product extension optional       No         • light source       No         • 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       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       black         General technical data       Protection NEMA rating         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 50g / 11 ms         • for railway applications acc. to DIN EN 61373 <t< th=""><th>design of the product</th><th>Actuating/signaling element</th></t<>	design of the product	Actuating/signaling element
Enclosure       1         Actuator       Flat button         principle of operation of the actuating element       Flat button         product extension optional       momentary contact type         • light source       No         • contact module       Yes         color of the actuating element       plastic         shape of the actuating element       plastic         shape of the actuating element       29.5 mm         marking of the actuating element       29.5 mm         marking of the actuating element       Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)         Front ring       Yes         product component front ring       plastic         color of the front ring       plastic         color of the front ring       black         General technical data       IP66, IP67, IP69(IP69K)         gere of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance <ul> <li>acc. to IEC 60068-2-27</li> <li>Sinusoidal half-wave 50g / 11 ms</li> <li>category 1, Class B</li> <li>operating frequency maximum</li> <li>3 600 1/h</li> <li>design frequency maximum</li> <li>a 600 1/h</li> <li>design frequency maximum</li> <li>a 600 1/h</li> <li>design frequency maximum</li> <li>a 600 1/h</li> <li>design frequency maximum</li></ul>	product type designation	3SU1
number of command points       1         Actuator       design of the actuating element       Flat button         principle of operation of the actuating element       momentary contact type         product extension optional       iight source       No         • contact module       Yes       color of the actuating element       yellow         material of the actuating element       yellow       material of the actuating element       round         outer diameter of the actuating element       round       outer diameter of the actuating element       29.5 mm         marking of the actuating element       round       configurator/Configuration Identification Number (CIN)         Front ring       product component front ring       Yes         design of the front ring       plastic       color of the front ring         color of the front ring       plastic       jlack         Ceneral technical data       protection REMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       e.acc. to IEC 60068-2-27       Sinusoidal half-wave 50g / 11 ms         e for railway applications acc. to DIN EN 61373       Category 1, Class B       operating frequency maximum         operating frequency maximum       3 600 1/h       3 600 1/h       jlastic	product line	Plastic, black, 22 mm
Actuator       Flat button         design of the actuating element       Flat button         product extension optional       momentary contact type         ight source       No         • contact module       Yes         color of the actuating element       yellow         material of the actuating element       plastic         shape of the actuating element       plastic         outer diameter of the actuating element       29.5 mm         marking of the actuating element       29.5 mm         product component front ring       Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)         Front ring       Yes         design of the front ring       plastic         color of the front ring       plastic         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       e. acc. to IEC 60068-2-27         e. for railway applications acc. to DIN EN 61373       Category 1, Class B         vibration resistance       i. dou Hz: 5g         e. for railway applications acc. to DIN EN 61373       Category 1, Class B         operating frequency maximum <td< th=""><th>Enclosure</th><th></th></td<>	Enclosure	
design of the actuating element       Flat button         principle of operation of the actuating element       momentary contact type         product extension optional       ight source         e contact module       Yes         color of the actuating element       yellow         material of the actuating element       plastic         shape of the actuating element       zellow         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 configurator/Configuration Identification Number (CIN)         Front ring       Yes         design of the front ring       high         material of the front ring       plastic         color of the front ring       black         General technical data       protection NEMA rating         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       e.acc. to IEC 60068-2-27         e.acc. to IEC 60068-2-61       10 500 Hz; 5g         e.acc. to IEC 60068-2-61       10 500 Hz; 5g         e.for railway applications acc. to DIN EN 61373       Category 1, Class B         vibration resistance       e.acc. to IEC 60068-2-61       10	number of command points	1
principle of operation of the actuating element       momentary contact type         product extension optional       No         • light source       No         • contact module       Yes         color of the actuating element       plastic         shape of the actuating element       plastic         shape of the actuating element       29.5 mm         marking of the actuating element       29.5 mm         marking of the actuating element       Configuration ldentification Number (CIN)         Front ring       Yes         product component front ring       Yes         design of the front ring       high         material of the front ring       plastic         color of the front ring       black         General technical data       protection NEMA rating         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         • for railway applications acc. to DIN EN 61373       Category 1, Class B         vibration resistance       acc. to IEC 60068-2-6         • acc. to IEC 60068-2-6       10 500 Hz; 5g         • for railway applications acc. to DIN EN 61373       Category 1, Class B         vibration	Actuator	
product extension optional       No         • light source       No         • contact module       Yes         color of the actuating element       yellow         material of the actuating element       plastic         shape of the actuating element       z9.5 mm         marking of the actuating element       29.5 mm         marking of the actuating element       configurator/Configuration ldentification Number (CIN)         Front ring       Yes         design of the front ring       Yes         design of the front ring       plastic         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       e.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	design of the actuating element	Flat button
• light source       No         • contact module       Yes         color of the actuating element       plastic         material 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       Any inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN)         Front ring       Product component front ring         product component front ring       plastic         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       sinusoidal half-wave 50g / 11 ms         e acc. to IEC 60068-2-27       Sinusoidal half-wave 50g / 11 ms         e for railway applications acc. to DIN EN 61373       Category 1, Class B         vibration resistance       ion railway applications acc. to DIN EN 61373         e for railway applica	principle of operation of the actuating element	momentary contact type
• contact module       Yes         color of the actuating element       yellow         material 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       29.5 mm         marking of the actuating element       Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configurator/Configurator Number (CIN)         Front ring       Product component front ring         product component front ring       Yes         design of the front ring       plastic         color of the front ring       plastic         color of the front ring       plastic         color of the front ring       black         General technical data       IP66, IP67, IP69(IP69K)         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 50g / 11 ms         e for railway applications acc. to DIN EN 61373       Category 1, Class B         vibration resistance       in acc. to IEC 60068-2-6       10 500 Hz: 5g         e for railway applications acc. to DIN EN 61373       Category 1, Class B         operating frequency maximum	product extension optional	
color of the actuating element       yellow         material 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       29.5 mm         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         product component front ring       plastic         color of the front ring       black         General technical data       protection class IP         idegree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 50g / 11 ms         e for railway applications acc. to DIN EN 61373       Category 1, Class B         vibration resistance       10 500 Hz: 5g         e for railway applications acc. to DIN EN 61373       Category 1, Class B         operating frequency maximum       3 600 1/h	light source	No
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shape of the actuating element       round         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 configurator/Configurator/Configurator Identification Number (CIN)         Front ring       Yes         product component front ring       high         material of the front ring       plastic         color of the front ring       black         General technical data       IP66, IP67, IP69(IP69K)         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 50g / 11 ms         • 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       10 500 Hz: 5g         • for railway applications acc. to DIN EN 61373       Category 1, Class B         operating frequency maximum       3 600 1/h	color of the actuating element	yellow
outer diameter of the actuating element29.5 mmmarking of the actuating elementAny inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN)Front ringYesproduct component front ringhighmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• acc. to IEC 60068-2-27Sinusoidal half-wave 50g / 11 ms• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance• acc. to IEC 60068-2-610 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class Boperating frequency maximum3 600 1/h	material of the actuating element	plastic
marking of the actuating elementAny inscription, text or symbol, can only be ordered via SIRIUS ACT configuration Identification Number (CIN)Front ringYesproduct component front ringhighmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataprotection class IPprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 50g / 11 ms• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class Boperating frequency maximum3 600 1/h	shape of the actuating element	round
Front ring         product component front ring       Yes         design of the front ring       high         material of the front ring       plastic         color of the front ring       black         General technical data       IP66, IP67, IP69(IP69K)         gere of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 50g / 11 ms         • 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         • 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	outer diameter of the actuating element	29.5 mm
Front ring       Yes         design of the front ring       high         material of the front ring       plastic         color of the front ring       black         General technical data       protection class IP         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 50g / 11 ms         • for railway applications acc. to DIN EN 61373       Category 1, Class B         vibration resistance       i 0 500 Hz: 5g         • for railway applications acc. to DIN EN 61373       Category 1, Class B         operating frequency maximum       3 600 1/h	marking of the actuating element	
product component front ringYesdesign of the front ringhighmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• acc. to IEC 60068-2-27• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance• acc. to IEC 60068-2-6• acc. to IEC 60068-2-610 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class Boperating frequency maximum3 600 1/h	Front ring	······································
design of the front ringhighmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• acc. to IEC 60068-2-27Sinusoidal half-wave 50g / 11 ms• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance• acc. to IEC 60068-2-610 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class Boperating frequency maximum3 600 1/h		Yes
material of the front ringplasticcolor of the front ringblackGeneral technical dataIP66, IP67, IP69(IP69K)protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• acc. to IEC 60068-2-27Sinusoidal half-wave 50g / 11 ms• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance• acc. to IEC 60068-2-610 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class Boperating frequency maximum3 600 1/h		
color of the front ringblackGeneral technical dataIP66, IP67, IP69(IP69K)protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistanceIII acc. to IEC 60068-2-27• acc. to IEC 60068-2-27Sinusoidal half-wave 50g / 11 ms• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistanceI0 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class Boperating frequency maximum3 600 1/h		с С
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	<b>`</b>	*
protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• acc. to IEC 60068-2-27Sinusoidal half-wave 50g / 11 ms• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance• acc. to IEC 60068-2-610 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class Boperating frequency maximum3 600 1/h	_	
degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance		
shock resistance       image: 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       image: shock 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	•	
• acc. to IEC 60068-2-27Sinusoidal half-wave 50g / 11 ms• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance• acc. to IEC 60068-2-610 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class Boperating frequency maximum3 600 1/h		1, 2, 0, 013, 1, 133, 12, 10
• for railway applications acc. to DIN EN 61373Category 1, Class Bvibration resistance-• acc. to IEC 60068-2-610 500 Hz: 5g• for railway applications acc. to DIN EN 61373Category 1, Class Boperating frequency maximum3 600 1/h		Sinusoidal half-wave 50g / 11 ms
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		
for railway applications acc. to DIN EN 61373     Category 1, Class B     operating frequency maximum     3 600 1/h		
for railway applications acc. to DIN EN 61373     Category 1, Class B     3 600 1/h	• acc. to IEC 60068-2-6	10 500 Hz: 5a
operating frequency maximum 3 600 1/h	<ul> <li>for railway applications acc. to DIN EN 61373</li> </ul>	ů –
		<b>o y i</b>
	mechanical service life (switching cycles) typical	10 000 000
reference code acc. to IEC 81346-2 S		S
Ambient conditions		

## ambient temperature during operation

-25	 +70	°C	
-40	 +80	°C	

ambient temperature during storage

environmental category during operation acc. to IEC 60721

3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %)

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Inote	llation	mounting	dimons

Installation/ mounting/ dimensions	
height	29.5 mm
width	29.5 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	18.1 mm
installation width	29.5 mm
installation depth	24.3 mm
Certificates/ approvals	

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1000-0CB30-0AA0-Z Y19

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-0CB30-0AA0-Z Y19 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-0CB30-0AA0-Z Y19

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1000-0CB30-0AA0-Z Y19&lang=en

last modified:

12/21/2020 🖸