## **SIEMENS**

## **Data sheet**

## 3SU1001-0AB40-0AA0



Illuminated pushbutton, 22 mm, round, plastic, green, pushbutton, flat momentary contact type  $\,$ 

number of command points 1  Actualor  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 plastic shape of the actuating element 29.5 mm  Front ring  product component front ring Yes design of the front ring plastic color of the front ring Standard material of the norting Plastic color of the front ring Standard material of the front ring Plastic color of the front ring Standard material of the front ring Plastic color of the front ring Standard material 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 mechanical service life (operating cycles) typical reference code acc. to IEC 81346-2 S Substance Prohibitance (Date) 0.1.10,2014 00:00:00  Ambient conditions			
design of the product product type designation product line Plastic, black, 22 mm  Plastic,	product brand name	SIRIUS ACT	
product type designation product line Plastic, black, 22 mm  Enclosure number of command points  Actuator  design of the actuating element principle of operation of the actuating element product extension optional elight source contact module color of the actuating element material of the actuating element product extension optional elight source periodic actuating element green material of the actuating element plastic shape of the actuating element product component front ring product component front ring yes design of the front ring plastic color of the front ring plastic protection class IP degree of protection NEMA rating protection class IP effect of protection NEMA rating shock resistance eac. to IEC 60068-2-7 of for railway applications acc. to DIN EN 61373 vibration resistance e for railway applications acc. to DIN EN 61373 poperating frequency maximum generate on the side of the side	product designation	Illuminated pushbuttons	
product line Plastic, black, 22 mm  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 yes contact diameter of the actuating element product extension optional elight source yes contact module yes color of the actuating element green material of the actuating element product component front ring product component front ring yes design of the front ring plastic	design of the product	Actuating/signaling element	
Inumber 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 contact module green plastic shape of the actuating element pout destange element pout extension optional plastic shape of the actuating element pout extension of the actuating element plastic shape of the actuating element pout extension of the actuating element plastic shape of the actuating element pout extension element product component front ring product component front ring plastic standard plastic plastic plastic plastic plastic plastic plastic plastic standard plastic	product type designation	3SU1	
mumber of command points 1  Actualor  design of the actuating element principle of operation of the actuating element momentary contact type  product extension optional	product line	Plastic, black, 22 mm	
design of the actuating element principle of operation of the actuating element momentary contact type  product extension optional elight source yes contact module yes contact module yes contact module yes color of the actuating element plastic shape of the actuating element plastic yes material of the actuating element plastic yes material of the actuating element plastic yes module yes material of the actuating element plastic yes module yes yes yes yes yes yes yes yes yes ye	Enclosure		
design of the actuating element principle of operation of the actuating element product extension optional	number of command points	1	
principle of operation of the actuating element  product extension optional    light source   Yes	Actuator		
e light source e contact module color of the actuating element shape of the actuating element outer diameter of the actuating element  Front ring product component front ring design of the front ring standard material of the front ring color of the front ring black  General technical data  protection class IP degree of protection NEMA rating shock resistance e acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373 Category 1, Class B  vibration resistance e 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 (operating cycles) typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date)  Arnbient conditions	design of the actuating element	Flat button	
e light source e contact module Color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element 29.5 mm  Front ring  product component front ring design of the front ring Color of the front ring material of the front ring plastic color of the front ring Color of the front ring Diack  General technical data  protection class IP  degree of protection NEMA rating shock resistance e acc. to IEC 60068-2-27 for railway applications acc. to DIN EN 61373  vibration resistance e 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 (operating cycles) typical reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Online in the front ring Aves Substance Prehibitance (Date)  1 2. 3. 3R. 4. 4X. 12. 13  1 3. 000 000  1 3. 000 000  1 5. 000 000  1	principle of operation of the actuating element	momentary contact type	
color of the actuating element material of the actuating element shape of the actuating element outer 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 plastic color of the front ring black  General technical data  protection class IP degree of protection NEMA rating shock resistance	product extension optional		
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element  Pront ring  Front ring  Gesign of the front ring material of the front ring material of the front ring plastic color of the front ring black  General technical data protection class IP degree of protection NEMA rating shock resistance	• light source	Yes	
material of the actuating element shape of the actuating element outer diameter of the actuating element outer diameter of the actuating element  product component front ring product component front ring design of the front ring Standard 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  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 (operating cycles) typical reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	<ul> <li>contact module</li> </ul>	Yes	
shape of the actuating element outer diameter of the actuating element product component 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 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 acceptable of the front ring acceptable of the front ring acceptable of the front ring black Sinusoidal half-wave 50g / 11 ms category 1, Class B vibration resistance for railway applications acc. to DIN EN 61373 category 1, Class B operating frequency maximum acceptable of the front ring acceptable acceptable of the front ring acceptable acceptable of the front ring acceptable o	color of the actuating element	green	
outer diameter 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  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 (operating cycles) typical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	material of the actuating element	plastic	
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 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 • for railway applications acc. to DIN EN 61373  Category 1, Class B  operating frequency maximum 3 600 1/h mechanical service life (operating cycles) typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	shape of the actuating element	round	
product component front ring design of the front ring material of the front ring plastic 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  vibration frequency maximum 3 600 1/h mechanical service life (operating cycles) typical reference code acc. to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions	outer diameter of the actuating element	29.5 mm	
design of the front ring  material of the front ring  plastic  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  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 (operating cycles) typical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Olino 2014 00:00:00  Ambient conditions	Front ring		
material 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 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 (operating cycles) typical 3 000 000  reference code acc. to IEC 81346-2 S  Substance Prohibitance (Date) 01.10.2014 00:00:00	product component front ring	Yes	
color of the front ring  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  • 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 (operating cycles) typical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	design of the front ring	Standard	
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 • 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 (operating cycles) typical reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	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 (operating cycles) typical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	color of the front ring	black	
degree of protection NEMA rating shock resistance	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  • 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 (operating cycles) typical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	protection class IP	IP66, IP67, IP69(IP69K)	
acc. to IEC 60068-2-27     befor railway applications acc. to DIN EN 61373  vibration resistance     acc. to IEC 60068-2-6     befor railway applications acc. to DIN EN 61373  category 1, Class B  10 500 Hz: 5g  Category 1, Class B  operating frequency maximum  3 600 1/h  mechanical service life (operating cycles) typical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
◆ 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 (operating cycles) typical     reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  Category 1, Class B  10 500 Hz: 5g  Category 1, Class B  3 600 1/h  3 000 000  Substance Prohibitance (Date)  01.10.2014 00:00:00	shock resistance		
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 (operating cycles) typical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions	• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms	
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 (operating cycles) typical     reference code acc. to IEC 81346-2     Substance Prohibitance (Date)      Ambient conditions	• for railway applications acc. to DIN EN 61373	Category 1, Class B	
◆ for railway applications acc. to DIN EN 61373     Operating frequency maximum     3 600 1/h     mechanical service life (operating cycles) typical     7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	vibration resistance		
operating frequency maximum  mechanical service life (operating cycles) typical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  3 600 1/h  3 000 000  0 000  0 01.10.2014 00:00:00  0 01.10.2014 00:00:00	• acc. to IEC 60068-2-6	10 500 Hz: 5g	
mechanical service life (operating cycles) typical  reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  3 000 000  01.10.2014 00:00:00  01.10.2014 00:00:00	• for railway applications acc. to DIN EN 61373	Category 1, Class B	
reference code acc. to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  S  01.10.2014 00:00:00	operating frequency maximum	3 600 1/h	
Substance Prohibitance (Date)  Ambient conditions  01.10.2014 00:00:00	mechanical service life (operating cycles) typical	3 000 000	
Ambient conditions	reference code acc. to IEC 81346-2	S	
	Substance Prohibitance (Date)	01.10.2014 00:00:00	
	Ambient conditions		
ambient temperature	ambient temperature		

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<ul><li>during operation</li></ul>	-25 +70 °C
during storage	-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	



**General Product Approval** 







**Test Certificates** 

Marine / Shipping







**Declaration of Conformity** 

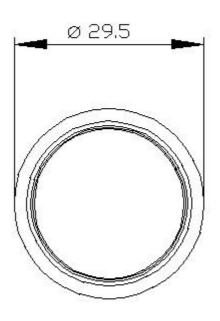


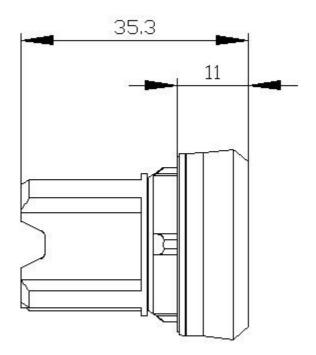


**Test Certificates** 

other

Further information





last modified: 12/21/2020 🖸