SIEMENS

Data sheet

3SU1002-2BM40-0AA0-Z Y10



Selector switch, illuminable, 22 mm, round, plastic, green, selector switch, short, 3 switch positions I>O<II, momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, with laser labeling, upper case and lower case, always upper case at beginning of line

product brand name SIRUS ACT product designation Selector switches design of the product Actuating signaling element product time Plastic, black, 22 mm Enclosure Image: black, black, 22 mm number of command points 1 Actuator Image: black, black, 22 mm design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional · light source Yes • contact module Yes color of the actuating element green material of the actuating element plastic shape of the actuating element 23 mm marking of the actuating element 23 mm actuating agle - Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating agle - Colockwise • colockwise 45° Front ring plastic colockwise 12, 2, 3, 8, 4, 4X, 12, 13 shock r			
design of the product Actuating/signaling element product type designation 3SU1 product line Plastic, black, 22 mm Enclosures 1 Actuator design of the actuating element principle of operation of the actuating element momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides product extension optional • light source • light source Yes • contact module Yes color of the actuating element green material of the actuating element plastic shape of the actuating element green material of the actuating element 23.3 mm actuating angle - • clockwise 45° • actolating angle - • clockwise 45° • anticlockwise 45° #ont ing plastic protect component front ring yles protection class IP ipastic design of the front ring black Ceneral technical data - protection class IP ipastic idereve of protection NEMA rating 1, 2, 3,	product brand name	SIRIUS ACT	
product type designation 3SU1 product line Plastic, black, 22 mm Enclosure number of command points Actuator 4 design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x46° (10:30 h/12 h/13:30 h), return on both sides product extension optional Yes • contact module Yes • contact module Yes • color of the actuating element green material of the actuating element plastic shape of the actuating element 32.3 mm marking of the actuating element 23.3 mm unumber of switching positions 3 actuating angle • clockwise • clockwise 45° • anticlockwise 45° for anity plastic color of the front ring yes product component front ring plastic color of the front ring plastic color of the front ring plastic gener of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	product designation	Selector switches	
product line Plastic, black, 22 mm Enclosure number of command points 1 Actuator Actuator Actuator design of the actuating element Selector, short momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product actuating element Yes contact module Yes color of the actuating element green plastic Handle outer diameter of the actuating element plastic Handle Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • clockwise 45° Selector, black, 22 mm product component front ring tandard glastic material of the front ring standard black General technical data protection class IP floe6, IP67, IP69(IP69K) design of the front ring black category 1, Class B otor of the Sectanos according to EN 61373 Category 1, Class B category 1, Class B	design of the product	Actuating/signaling element	
Enclosure 1 Actuator design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides product extension optional • light source Yes • contact module Yes color of the actuating element green material of the actuating element plastic outer diameter of the actuating element S2.3 mm outer diameter of the actuating element Quark actuating alement number of switching positions 3 actuating angle • clockwise • clockwise 45" • anticlockwise 45" • for railway applications ac	product type designation	3SU1	
number of command points 1 Actuator design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional Yes • Light source Yes • contact module Yes color of the actuating element green material of the actuating element plastic shape of the actuating element 22.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° Product component front ring plastic color of the front ring plastic color of the front ring plastic color 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 • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications accor	product line	Plastic, black, 22 mm	
Actuator Selector, short principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional iight source • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element Submitzed labeling, text in lower case / capital letters, all lines start marking of the actuating element Submitzed labeling, text in lower case / capital letters, all lines start mumber of switching positions 3 actuating algle 45° • lockwise 45° • anticlockwise 45° Front ring glastic product component front ring standard material 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 15g / 11 ms • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according	Enclosure		
design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional Yes • light source Yes • contact module Yes color of the actuating element green plastic shape of the actuating element shape of the actuating element 22.3 mm outer diameter of the actuating element 22.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • anticlockwise 45° Front ring standard plastic black General technical data plastic protection class IP IP66, IP67, IP69(IP69K) design of to Ec 6008-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 6008-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B	number of command points	1	
principle of operation of the actuating element momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides product extension optional Yes • light source Yes • contact module Yes color of the actuating element green material of the actuating element plastic shape of the actuating element 32.3 mm outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • clockwise 45° front ring Yes design of the front ring Yes design 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 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz; 5g	Actuator		
product extension optional Yes • contact module Yes • contact module Yes color of the actuating element green material of the actuating element plastic shape of the actuating element plastic shape of the actuating element 32.3 mm marking of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° Front ring Yes design of the front ring plastic color of the front ring plastic color of the front ring black General technical data protection Class IP protection class IP IP66, IP67, IP69(IP69K) e according to IEC 60068-2-67 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to EC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B	design of the actuating element	Selector, short	
• light source Yes • contact module Yes • contact module Yes color of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element Blandle outer diameter of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° • anticlockwise 45° • anticlockwise 45° • 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 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B <th>principle of operation of the actuating element</th> <th>momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides</th>	principle of operation of the actuating element	momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides	
• contact module Yes color of the actuating element green material of the actuating element plastic shape of the actuating element 32.3 mm outer diameter of the actuating element 32.3 mm marking of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° Front ring Yes green if the front ring plastic color of the front ring plastic color of the front ring black General technical data IP66, IP67, IP69(IP69K) gree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maxim	product extension optional		
color of the actuating element green material of the actuating element plastic shape of the actuating element 32.3 mm marking of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle - • clockwise 45° • anticlockwise 45° 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 plastic general technical data - 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 vibration resistance -	 light source 	Yes	
material of the actuating element plastic shape of the actuating element 32.3 mm outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° Front ring Yes gesign of the front ring plastic black General technical data protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms • 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 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance 1800 1/h	contact module	Yes	
shape of the actuating element Handle outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° front ring Yes gdesign of the front ring standard material of the front ring plastic color of the front ring black General technical data 1, 2, 3, 3R, 4, 4X, 12, 13 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 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 0 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h	color of the actuating element	green	
outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • clockwise 45° Front ring Yes gesign of the front ring Yes design 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 15g / 11 ms • 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 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h	material of the actuating element	plastic	
marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° product component front ring Yes design of the front ring plastic color of the front ring plastic color of the front ring black General technical data Protection NEMA rating protection of ICE 60068-2-27 sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B vibration resistance • for railway applications according to EN 61373 • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h	shape of the actuating element	Handle	
with capital letternumber of switching positions3actuating angle45°• clockwise45°• anticlockwise45°Front ringYesproduct component front ringYesdesign of the front ringplasticcolor of the front ringplasticcolor of the front ringblackGeneral technical dataprotection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance-• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance-• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bvibration resistance-• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	outer diameter of the actuating element	32.3 mm	
actuating angle 45° • clockwise 45° • anticlockwise 45° Front ring Yes product component front ring Yes design of the front ring plastic color 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 • • 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 1 800 1/h	marking of the actuating element		
• clockwise45°• anticlockwise45°Front ringYesproduct component front ringstandardmaterial 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 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	number of switching positions	3	
• anticlockwise 45° Front ring Yes product component front ring standard design 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 inusoidal half-wave 15g / 11 ms • 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 1 800 1/h	actuating angle		
Front ring Yes product component front ring standard 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 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h	clockwise	45°	
product component front ringYesdesign of the front ringstandardmaterial 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• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	anticlockwise	45°	
design of the front ringstandardmaterial 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 resistanceinus of the formation	Front ring		
material 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• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bof railway applications according to EN 61373Category 1, Class B• for railway applications according to EN 61373Category 1, Class B• for railway applications according to EN 61373Category 1, Class B• for railway applications according to EN 61373Category 1, Class B• for railway applications according to EN 61373Category 1, Class B• for railway applications according to EN 61373Category 1, Class B• for railway applications according to EN 61373Category 1, Class B• for railway applications according to EN 61373Category 1, Class B• for railway applications according to EN 61373Category 1, Class B• operating frequency maximum1 800 1/h	product component front ring	Yes	
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 resistanceaccording to IEC 60068-2-27• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistanceaccording to IEC 60068-2-6• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class B• operating frequency maximum1 800 1/h	design of the front ring	standard	
General technical data protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance	material of the front ring	plastic	
protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	color of the front ring	black	
degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	General technical data		
shock resistance inusoidal half-wave 15g / 11 ms • 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 inusoidal half-wave 15g / 11 ms • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h	protection class IP	IP66, IP67, IP69(IP69K)	
• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistance• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
• for railway applications according to EN 61373 Category 1, Class B vibration resistance 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B • operating frequency maximum 1800 1/h	shock resistance		
vibration resistance 10 500 Hz: 5g • according to IEC 60068-2-6 10 500 Hz: 5g • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms	
e according to IEC 60068-2-6 10 500 Hz: 5g for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h	 for railway applications according to EN 61373 	Category 1, Class B	
for railway applications according to EN 61373 Category 1, Class B 1 800 1/h	vibration resistance		
operating frequency maximum 1 800 1/h	 according to IEC 60068-2-6 	10 500 Hz: 5g	
operating frequency maximum 1 800 1/h	 for railway applications according to EN 61373 	Category 1, Class B	
mechanical service life (switching cycles) typical 1 000 000		1 800 1/h	
	mechanical service life (switching cycles) typical	1 000 000	

reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014
Safety related data	
B10 value with high demand rate according to SN 31920	300 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	20 %
 with high demand rate according to SN 31920 	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
ambient temperature	
 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	32.3 mm
width	32.3 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	28.8 mm
installation width	32.3 mm
installation depth	25.4 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=3SU1002-2BM40-0AA0-Z Y10 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BM40-0AA0-Z Y10 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BM40-0AA0-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=3SU1002-2BM40-0AA0-Z Y10⟨=en	

last modified:

1/26/2022 🖸