SIEMENS

Data sheet

3SU1002-2BL50-0AA0-Z Y15



Selector switch, illuminable, 22 mm, round, plastic, blue, selector switch, short, 3 switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h, with laser labeling, upper case and lower case, always upper case at the beginning of the word

product brand name SRIVIS ACT product designation Selector switches design of the product Actuating/signaling element product type designation 3SU1 product line Plastic, black, 22 mm Enclosure I Actuating of the actuating element Istelector, short principle of operation of the actuating element Iatching, 2x45° (10:30 h/12 h/13:30 h) product extension optional Yes • light source Yes • contact module Yes color of the actuating element plastic base of the actuating element plastic outer diameter of the actuating element S2,3 mm outer diameter of the actuating element <th></th> <th></th>			
design of the product Actuating/signaling element product type designation 3SU1 product line Plastic, black, 22 mm Enclosure I Actuator I design of the actuating element Selector, short principle of operation of the actuating element latching, 2x45° (10:30 h/12 h/13:30 h) product extension optional Yes • light source Yes • contact module Yes • color of the actuating element plastic shape of the actuating element Handle outer diameter of the actuating element 2.3 mm marking of the actuating element 32.3 mm number of switching positions 3 actuating angle - • clockwise 45° • anticlockwise 45° • anticlockwise 45° color of the front ring plastic restrial of the front ring black General technical data Product component front ring product component front ring plastic color of the front ring	product brand name	SIRIUS ACT	
product type designation 3SU1 product line Plastic, black, 22 mm Enclosure Inumber of command points 1 Actuator Selector, short Interpret in the actuating element Ister in the actuating element principle of operation of the actuating element Ister in the actuating element Ister in the actuating element Ister in the actuating element e light source Yes Yes Selector, short color of the actuating element plastic Static shape of the actuating element plastic Static shape of the actuating element Suitability, fext in lower case / capital letters, all words start with capital letters number of switching positions 3 Saturating element Static intuber of switching positions 45° Selector in the actuating element Static intolockwise 45° Selector in the actuating element Static Static intolockwise 45° Selector in the actuating element Static Selector in the actuating element Static octor of the actuating element Static Selector in the actuating element	product designation	Selector switches	
Intervention Plastic, black, 22 mm product line Plastic, black, 22 mm number of command points 1 Actuator Actuator design of the actuating element Iatching, 2x45° (10:30 h/12 h/13:30 h) principle of operation of the actuating element Iatching, 2x45° (10:30 h/12 h/13:30 h) principle of operation optional • • light source Yes • contact module Yes color of the actuating element blue material of the actuating element plastic shape of the actuating element Sarm outer diameter of the actuating element Quist diameter of the actuating element uture apital letters Sarm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle - • clockwise 45° • anticlockwise 45° Product component front ring yes design of the front ring black General tochnical data 1066, IP67, IP69(IP69K)<	design of the product	Actuating/signaling element	
Enclosure 1 Actuator Selector, short design of the actuating element Selector, short principle of operation of the actuating element Selector, short priduct 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 Yes outer diameter of the actuating element Selector, short material of the actuating element Plastic shape of the actuating element Customized labeling, text in lower case / capital letters, all words start mumber of switching positions 3 actuating angle - • clockwise 45° • anticlockwise 45° Front ring plastic product component front ring plastic color of the front ring plastic co	product type designation	3SU1	
number of command points 1 Actuator Selector, short principle of operation of the actuating element latching, 2x45° (10:30 h/12 h/13:30 h) product extension optional iatching, 2x45° (10:30 h/12 h/13:30 h) order extension optional iatching, 2x45° (10:30 h/12 h/13:30 h) ight source Yes • contact module Yes • contact module Yes color of the actuating element blue material of the actuating element Handle outer diameter of the actuating element 22.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle - • clockwise 45° • anticlockwise 45° Front ring plastic product component front ring plastic color of the front ring plastic color of the front ring plastic general technical data protection NEMA rating protection Class IP IP66, IP67, IP69(IP69K) degre of protection NEMA rating sinusoidal ha	product line	Plastic, black, 22 mm	
Actuator design of the actuating element Selector, short principle of operation of the actuating element latching, 2x45° (10:30 h/12 h/13:30 h) product extension optional	Enclosure		
design of the actuating element Selector, short principle of operation of the actuating element latching, 2x45° (10:30 h/12 h/13:30 h) product extension optional - • light source Yes • contact module Yes color of the actuating element blue material of the actuating element plastic shape of the actuating element 32.3 mm outer diameter of the actuating element 22.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle - • clockwise 45° • anticlockwise 45° for the 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 RBA IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance - - • cacording to IEC 60068-2-27 sinusoidal half-wave 15	number of command points	1	
principle of operation of the actuating element latching, 2x45° (10:30 h/12 h/13:30 h) product extension optional Yes • light source Yes • contact module Yes color of the actuating element blue material of the actuating element plastic shape of the actuating element glassic outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° • anticlockwise 45° color of the front ring Yes design of the front ring standard material 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, 3, R, 4, 4X, 12, 13 shock resistance - • for railway applications according to EN 61373 Category 1, Class B	Actuator		
product extension optional light source contact module Yes color of the actuating element blue material of the actuating element plastic shape of the actuating element utanting element cutar diameter of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters actuating angle clockwise atticlockwise atticlockwise atticlockwise atticlockwise atticlockwise atticlockwise black General technical data protection NEMA rating protection NEMA rating sinusoidal half-wave 15g / 11 ms category 1, Class B category 1, Class B	design of the actuating element	Selector, short	
• light sourceYes• contact moduleYes• color of the actuating elementbluematerial of the actuating elementplasticshape of the actuating element32.3 mmouter diameter of the actuating element32.3 mmmarking of the actuating elementCustomized labeling, text in lower case / capital letters, all words start with capital lettersnumber of switching positions3actuating angle-• clockwise45°• anticlockwise45°Front ringYesproduct component front ringYesdesign of the front ringplasticcolor of the front ringplasticcolor of the front ringplasticgeneral technical data-protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance-• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms Category 1, Class B	principle of operation of the actuating element	latching, 2x45° (10:30 h/12 h/13:30 h)	
• contact moduleYescolor of the actuating elementbluematerial of the actuating elementplasticshape of the actuating elementHandleouter diameter of the actuating element32.3 mmmarking of the actuating elementCustomized labeling, text in lower case / capital letters, all words start with capital lettersnumber of switching positions3actuating angle-• clockwise45°• anticlockwise45°• anticlockwise45°Front ringYesproduct component front ringYesdesign of the front ringplasticcolor of the front ringblackGeneral technical data-protection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance-• for railway applications according to EN 61373Category 1, Class B	product extension optional		
color of the actuating element blue 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 words start with capital letters number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° Front ring Yes product component 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 NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance eacording to IEC 60068-2-27 • for railway applications according to EN 61373 Category 1, Class B	light source	Yes	
material of the actuating elementplasticshape of the actuating elementHandleouter diameter of the actuating element32.3 mmmarking of the actuating elementCustomized labeling, text in lower case / capital letters, all words start with capital lettersnumber of switching positions3actuating angle-• clockwise45°• anticlockwise45°• anticlockwise45°front ringYesdesign of the front ringYesdesign of the front ringplasticcolor of the front ringplasticcolor of the front ringblackGeneral technical data1, 2, 3, 3R, 4, 4X, 12, 13protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance-• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms Category 1, Class B	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 words start with capital letters number of switching positions 3 actuating angle - • clockwise 45° • anticlockwise 45° 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 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 - • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B	color of the actuating element	blue	
outer diameter of the actuating element 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 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 idegree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-27 isinusoidal half-wave 15g / 11 ms Category 1, Class B	material of the actuating element	plastic	
marking of the actuating element Customized labeling, text in lower case / capital letters, all words start with capital letters number of switching positions 3 actuating angle 45° • clockwise 45° • anticlockwise 45° Front ring Yes product component 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 NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 Category 1, Class B	shape of the actuating element	Handle	
with capital lettersnumber of switching positions3actuating angle45°• clockwise45°• anticlockwise45°Front ringYesproduct component front ringYesdesign of the front ringstandardmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataIP66, IP67, IP69(IP69K)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 B	outer diameter of the actuating element	32.3 mm	
actuating angle• clockwise45°• anticlockwise45°• anticlockwise45°Front ringYesproduct component front ringstandarddesign 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 resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class B	marking of the actuating element		
• clockwise45°• anticlockwise45°Front ring45°product component front ringYesdesign of the front ringstandardmaterial of the front ringplasticcolor of the front ringblackGeneral technical dataIP66, 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 B	number of switching positions	3	
• anticlockwise45°Front ringYesproduct component front ringYesdesign of the front ringstandardmaterial 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 resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class B	actuating angle		
Front ringproduct component front ringYesdesign of the front ringstandardmaterial 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 resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class B	clockwise	45°	
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 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 inusoidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B	anticlockwise	45°	
design of the front ringstandardmaterial 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 resistancesinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class B	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 B	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 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 B	design of the front ring	standard	
General technical data protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 Category 1, Class B	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 B	color of the front ring	black	
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 B	General technical data		
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	protection class IP	IP66, IP67, IP69(IP69K)	
according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms for railway applications according to EN 61373 Category 1, Class B	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
for railway applications according to EN 61373 Category 1, Class B	shock resistance		
	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms	
vibration resistance	 for railway applications according to EN 61373 	Category 1, Class B	
	vibration resistance		
• according to IEC 60068-2-6 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	 for railway applications according to EN 61373 	Category 1, Class B	
operating frequency maximum 1 800 1/h	operating frequency maximum	1 800 1/h	
mechanical service life (switching cycles) typical 1 000 000	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=3SU1002-2BL50-0AA0-Z Y15 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BL50-0AA0-Z Y15 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BL50-0AA0-Z Y15 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BL50-0AA0-Z Y15⟨=en		

last modified:

1/26/2022 🖸