SIEMENS

Data sheet

3SU1032-2BC60-0AA0-Z Y10



Selector switch, illuminable, 22 mm, round, plastic with metal front ring, white, selector switch, short, 2 switch positions O<I, momentary contact type, Actuating angle 45°, 10:30h/12h, 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 line Plastic with metal front ring, matt, 22 mm Product line Plastic with metal front ring, matt, 22 mm number of command points 1 Actuator design of the actuating element principle of operation of the actuating element momentary contact, 45° (10:30 h/12 h), return from center to left principle of operation of the actuating element momentary contact, 45° (10:30 h/12 h), return from center to left product extension optional • light source Yes • contact module Yes contact module or of the actuating element while plastic shape of the actuating element glastic start material of the actuating element 2.3 mm Customized labeling, text in lower case / capital letters, all lines start number of switching positions 2 actuating angle 45° • clockwise 45° front ring gandard material of the front ring sand gray feanalway applications according to EN 61373	•		
design of the product Actuating/signaling element product type designation 3SU1 product line Plastic with metal front ring, matt, 22 mm Enclosure 1 Actuator design of the actuating element principle of operation of the actuating element momentary contact, 45° (10:30 h/12 h), return from center to left principle of operation of the actuating element Yes • contact module Yes • contact module Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element 2.3 mm marking of the actuating element 2.3 arm actuating angle - • clockwise 45° Front ring Yes product component front ring Standard design of the front ring standard material of the front ring standard design of the front ring standard	product brand name	SIRIUS ACT	
product type designation 3SU1 product line Plastic with metal front ring, matt, 22 mm Enclosure 1 Actuator 4 design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 45° (10:30 h/12 h), return from center to left product extension optional Yes • Light source Yes • Coolard the actuating element plastic material of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element 32.3 mm marking of the actuating element 23.3 mm outer diameter of the actuating element 24.5° routen diameter of the actuating element 24.5° routing angle 45° • clockwise 45° front ring general tetter product component front ring Yes design of the front ring sand gray General tochnical data protection NEMA rating protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock res	product designation	Selector switches	
product line Plastic with metal front ring, matt, 22 mm Enclosure number of command points 1 Actuator design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 45" (10:30 h/12 h), return from center to left product extension optional Yes • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element Plastic outer diameter of the actuating element Customized labeling, text in lower case / capital letters, all lines start marking of the actuating element 22 as mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start mumber of switching positions 2 actuating angle 45" • clockwise 45" Product component front ring Yes design of the front ring Metal, matt color of the front ring Sand gray General technical data Protection NEMA rating 1, 2, 3, 3R,	design of the product	Actuating/signaling element	
number of command points 1 Actuator design of the actuating element principle of operation of the actuating element momentary contact, 45" (10:30 h/12 h), return from center to left product extension optional • light source • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element 23.3 mm customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 2 actuating angle • • clockwise 45" Front ring Yes product component front ring Yes standard material of the front ring color of the front ring standard design of the front ring standard general technical data protection NEMA rating protection NEMA rating 1, 2, 3, 3R, 4X, 12, 13 shock resistance • according to IEC 60068-2-8 • for rallway applications according to EN 61373 citage 1 vibration resistance •	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, 45° (10:30 h/12 h), return from center to left product extension optional Yes • contact module Yes color of the actuating element white material of the actuating element plastic shape of the actuating element 2.3 mm marking of the actuating element 22.3 mm marking of the actuating element 2.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start number of switching positions 2 actuating angle - • clockwise 45° Front ring Yes general technical data material of the front ring material of the front ring Sand gray 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 sinus	product line	Plastic with metal front ring, matt, 22 mm	
Actuator Selector, short design of the actuating element momentary contact, 45° (10:30 h/12 h), return from center to left product extension optional ight source • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element Selectorized labeling, text in lower case / capital letters, all lines start mumber of switching positions 2 actuating alge elockwise • elockwise 45° Front ring Yes product component front ring Yes design of the front ring Selector, short grand of the front ring Yes design of the front ring Selector, short product component front ring Yes design of the front ring Selector, short grand of the front ring Selector, short protection class IP IPe6, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance sinusoidal half-wave 15g / 11 ms ecording to IEC 60068-2-6 10 50	Enclosure		
design of the actuating element Selector, short principle of operation of the actuating element momentary contact, 45° (10:30 h/12 h), return from center to left product extension optional Yes e contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element glastic outer diameter of the actuating element 22.3 mm marking of the actuating element Quistomized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions 2 actuating angle 45° • clockwise 45° Front ring Yes design of the front ring Standard material of the front ring sand gray General tochnical 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 ratiway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g	number of command points	1	
principle of operation of the actuating element momentary contact, 45° (10:30 h/12 h), return from center to left product extension optional Yes • light source Yes • contact module Yes color of the actuating element white plastic shape of the actuating element outer diameter of the actuating element 32.3 mm marking of the actuating element S2.3 mm number of switching positions 2 actuating angle • • clockwise 45° Front ring Yes product oroponent front ring standard material of the front ring standard material of the front ring standard 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 • according to IEC 60068-2-65 10 500 H/2: 5g • for railway ap	Actuator		
product extension optional Yes • light source Yes • contact module Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element Bastic material of the actuating element Statusting element outer diameter of the actuating element Statusting alge outer diameter of switching positions 2 actuating angle - • clockwise 45° Front ring Yes gelsign of the front ring standard material of the front ring Metal, matt color of the front ring standard material of the front ring standard material of the front ring standard material of the front ring standard elereral technical data - 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	design of the actuating element	Selector, short	
• light source Yes • contact module Yes color of the actuating element white material of the actuating element plastic 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 2 actuating angle • • clockwise 45° Front ring Yes general of the front ring Yes design of the front ring Sand gray General technical data protection Class IP protection Class IP IP66, IP67, IP69(IP69K) deagre 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 vibration resistance<	principle of operation of the actuating element	momentary contact, 45° (10:30 h/12 h), return from center to left	
• contact module Yes color of the actuating element white material of the actuating element plastic shape 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 lines start number of switching positions 2 actuating angle • clockwise • clockwise 45° Front ring Yes design of the front ring Standard material of the front ring Standard color of the front ring Interview of the foot front ring 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 mechanical service life (switching cycles) typical	product extension optional		
color of the actuating element white 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 32.3 mm marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start number of switching positions 2 actuating angle 45° • clockwise 45° Front ring Yes design of the front ring standard material of the front ring standard material of the front ring Metal, matt color of the front ring sand gray General technical data IP66, IP67, IP69(IP69K) protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance isuusidal half-wave 15g / 11 ms • for railway applications according to EN 61373 Category 1, Class B vibration resistance isuusidal 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,	 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 2 actuating angle 45° • clockwise 45° Front ring Yes gesign of the front ring standard material of the front ring Metal, matt color of the front ring sand gray 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 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 0 • 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 mechanical service life (switching cycles) typical 1 000 000	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 2 actuating angle 2 • clockwise 45° Front ring Yes product component front ring Standard material of the front ring Metal, matt color of the front ring sand gray General technical data protection NEMA rating 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 material oi IEC 60068-2-6 • 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 mechanical service life (switching cycles) typical 1 000 000	color of the actuating element	white	
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 2 actuating angle - • clockwise 45° Front ring Yes design of the front ring standard material of the front ring Metal, matt color of the front ring sand gray 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 • 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 Category 1, Class B operating frequency maximum	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 2 actuating angle 45° • clockwise 45° Front ring Yes design of the front ring standard material of the front ring Metal, matt color of the front ring sand gray 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 • 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 mechanical service life (switching cycles) typical 1 000 000	shape of the actuating element	Handle	
with capital letter number of switching positions actuating angle • clockwise 45° Front ring product component front ring design of the front ring material of the front ring Metal, matt color of the front ring sand gray General technical data protection class IP in the foot 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 mechanical service life (switching cycles) typical	outer diameter of the actuating element	32.3 mm	
actuating angle 45° Front ring product component front ring product component front ring Yes design of the front ring standard material of the front ring Metal, matt color of the front ring sand gray 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 e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms e for railway applications according to EN 61373 Category 1, Class B vibration resistance according to IEC 60068-2-6 e according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	marking of the actuating element		
• clockwise 45° Front ring product component front ring Yes design of the front ring standard material of the front ring Metal, matt color of the front ring sand gray 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 • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	number of switching positions	2	
Front ring Yes design of the front ring standard material of the front ring Metal, matt color of the front ring sand gray 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 mechanical service life (switching cycles) typical 1 000 000	actuating angle		
product component front ringYesdesign of the front ringstandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical datagrayprotection 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 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/hmechanical service life (switching cycles) typical1 000 000	clockwise	45°	
design of the front ringstandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection 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 Bvibration resistancein 200 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/hmechanical service life (switching cycles) typical1 000 000	Front ring		
material of the front ringMetal, mattcolor of the front ringsand grayGeneral 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/hmechanical service life (switching cycles) typical1 000 000	product component front ring	Yes	
color of the front ringsand grayGeneral technical dataprotection 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/hmechanical service life (switching cycles) typical1 000 000	design of the front ring	standard	
General technical dataprotection class IPIP66, IP67, IP69(IP69K)degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistanceaccording 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 Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000	material of the front ring	Metal, matt	
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 Bvibration resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000	color of the front ring	sand gray	
degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistanceinusoidal 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/hmechanical service life (switching cycles) typical1 000 000	General technical data		
shock resistance • according to IEC 60068-2-27 • for railway applications according to EN 61373 Category 1, Class B vibration resistance • according to IEC 60068-2-6 • for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical	protection class IP	IP66, IP67, IP69(IP69K)	
e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms e for railway applications according to EN 61373 Category 1, Class B vibration resistance e according to IEC 60068-2-6 10 500 Hz: 5g e for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	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 e according to IEC 60068-2-6 for railway applications according to EN 61373 Category 1, Class B operating frequency maximum 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	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 mechanical service life (switching cycles) typical 1 000 000	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms	
• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000	 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 mechanical service life (switching cycles) typical 1 000 000	vibration resistance		
operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 1 000 000	 according to IEC 60068-2-6 	10 500 Hz: 5g	
mechanical service life (switching cycles) typical 1 000 000	 for railway applications according to EN 61373 	Category 1, Class B	
	operating frequency maximum	1 800 1/h	
reference code according to IEC 81346-2 S	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	500 000
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=3SU1032-2BC60-0AA0-Z Y10	
Cax online generator	
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1032-2BC60-0AA0-Z Y10	
Service&Support (Manuals, Certificates, Characteristics,	
https://support.industry.siemens.com/cs/ww/en/ps/3SU1032-	<u>2BC60-0AA0-Z Y10</u>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1032-2BC60-0AA0-Z Y10&lang=en

last modified:

1/26/2022 🖸