## SIEMENS

## Data sheet

## 3SU1032-2BM40-0AA0-Z Y15



Selector switch, illuminable, 22 mm, round, plastic with metal front ring, green, selector switch, short, 3 switch positions I>O<II, momentary contact type, actuating angle  $2x45^{\circ}$ , 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         SIRUS ACT           product designation         Selector switches           design of the product         Actuating/signaling element           product line         Plastic with metal front ring, matt, 22 mm           Enclosure         Image: Selector, short           number of command points         1           Actuator         Selector, short           principle of operation of the actuating element         Selector, short           principle of operation of the actuating element         Yes           • contact module         Yes           • actuating element         Jastada           unumber of switching positions         3			
design of the product         Actuating/signaling element           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, 2x45" (10:30 h/12 h/13:30 h), return on both sides           product extension optional         Yes           • contact module         Yes           • actuating element         green           material of the actuating element         Saltic           shape of the actuating element         Saltic           actuating angle         -           • actuating angle         -           • actuating angle         -           • actockwise         45°           • anticlockwise         45°           front ring <td< th=""><th>product brand name</th><th>SIRIUS ACT</th></td<>	product brand name	SIRIUS ACT	
product type designation         3SU1           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, 2x45° (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           outer diameter of the actuating element         32.3 mm           unumber of switching positions         3           actuating angle         45°           • clockwise         45°           • anticlockwise         45°           Front ring         Yes           general technical data         protection nease IP           protection class IP         Product component front ring           standard         material of the front ring           design of the front ring         standard           material of the front ring         standard	product designation	Selector switches	
product line         Plastic with metal front ring, matt, 22 mm           Enclosure         1           Actuator         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           • color of the actuating element         green           material of the actuating element         plastic           shape of the actuating element         22.3 mm           material of the actuating element         23.3 mm           marking of the actuating element         23.3 mm           marking of the actuating element         24.5°           • clockwise         45°           • anticlockwise         45°           • anticlockwise         45°           • anticlockwise         45°           product component front ring         standard           material of the front ring         standard           general tochnical data         protection class IP           product component front ring         standard           design of the front ring         standard           grady         Standard	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         prduct 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       23.3 mm         customized labeling, text in lower case / capital letters, all words start with capital letters       and start with capital letters         number of switching positions       3         actuating angle       45"         • clockwise       45"         • anticlockwise       45"         • anticlockwise       45"         for nt ring       Yes         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<	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         • contact module       Yes         color of the actuating element       plastic         shape of the actuating element       plastic         material 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       45°         • clockwise       45°         • anticlockwise       45°         product component front ring       standard         material 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       • according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         • for railway applications acco	product line	Plastic with metal front ring, matt, 22 mm	
Actuator       Selector, short         momentary contact, 2x45" (10:30 h/12 h/13:30 h), return on both sides         product extension optional	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       •         • 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 words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45°         product component front ring       Yes         design of the front ring       standard         material of the front ring       sand gray         General technical data          protection class IP       IP66, IP67, IP69(IP69K)         e 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	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           outre diameter of the actuating element         32.3 mm           marking of the actuating element         22.3 mm           number of switching positions         3           actuating angle         45°           • clockwise         45°           • front ring         Yes           product component front ring         Yes           design of the front ring         Yes           general technical data         protection class IP           protection class IP         IP66, IP67, IP69(IP69K)           degree of protection saccording to EN 61373         Category 1, Class B           vibration resistance         sinusoidal half-wave 15g / 11 ms           • for railway applications according to EN 61373         Category 1, Class B           operating frequency maximum         1 800 1/h	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       plastic         shape of the actuating element       32.3 mm         cuter diameter of the actuating element       32.3 mm         marking of the actuating element       Customized labeling, text in lower case / capital letters, all words start         number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         • anticlockwise       45°         Front ring       Yes         design of the front ring       standard         material of the front ring       sand gray         General technical data       protection REMA rating         protection class IP       IP66, IP67, IP69(IP69K)         elegre of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       • according to IEC 60068-2-6         • according to IEC 60068-2-6       10 500 Hz: 5g         • for railway applications according to EN 61373       Category 1, Class B <td< th=""><th>design of the actuating element</th><th>Selector, short</th></td<>	design of the actuating element	Selector, short	
• light source       Yes         • contact module       Yes         • contact module       Yes         color of the actuating element       plastic         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 words start with capital letters         number of switching positions       3         actuating angle       -         • clockwise       45°         • anticlockwise       45°         • anticlockwise       45°         gerind 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)         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	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         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°           • anticlockwise         45°           front ring         Yes           design of the front ring         standard           material of the front ring         standard           general technical data            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         1800 1/h	product extension optional		
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 words start with capital letters         number of switching positions       3         actuating angle       -         • clockwise       45°         • anticlockwise       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       -         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 words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         Front ring       Yes         gdesign of the front ring       Metal, matt         color of the front ring       Metal, matt         color of the front ring       general technical data         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         vibration resistance       1 800 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 words start with capital letters         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       Metal, matt         color of the front ring       sand gray         General technical data       1, 2, 3, 3R, 4, 4X, 12, 13         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       • for railway applications according to EN 61373         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 words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45° <b>Front ring</b> 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)         protection class IP       IP66, IP67, IP69(IP69K)         e according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         • according to IEC 60068-2-26       10 500 Hz: 5g         • 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         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 words start with capital letters         number of switching positions       3         actuating angle       45°         • clockwise       45°         e anticlockwise       45°         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 NEMA rating         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       sinusoidal half-wave 15g / 11 ms         • according to IEC 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       •         • 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	shape of the actuating element	Handle	
with capital lettersnumber of switching positions3actuating angle45°• clockwise45°• anticlockwise45°Front ringYesproduct component front ringYesdesign of the front ringMetal, mattcolor of the front ringSand grayGeneral technical dataJef66, IP67, IP69(IP69K)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 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         • clockwise         • anticlockwise         • anticlockwise         # actuating angle         # actuating angle         # actuating and the front ring         # actuation class IP         IP66, IP67, IP69(IP69K)         degree of protection NEMA rating         1, 2, 3, 3R, 4, 4X, 12, 13         # according to IEC 60068-2-27         # according to IEC 60068-2-27         # according to IEC 60068-2-6	marking of the actuating element		
• clockwise45°• anticlockwise45°Front ringYesproduct component front ringstandardmaterial of the front ringstandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral 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 Bvibration resistance1800 1/h	number of switching positions	3	
	actuating angle		
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         • 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 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/h	anticlockwise	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 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	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/h	product component front ring	Yes	
color of the front ringsand grayGeneral 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 Bvibration resistanceI0 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	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         • 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         • 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	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 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	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/h	General technical data		
shock resistance       isinusoidal 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       isinusoidal 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)	
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
• for railway applications according to EN 61373Category 1, Class Bvibration resistance	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	<ul> <li>according to IEC 60068-2-27</li> </ul>	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	<ul> <li>for railway applications according to EN 61373</li> </ul>	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	<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g	
	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B	
mechanical service life (switching cycles) typical 1 000 000	operating frequency maximum	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		
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	20 %	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
Ambient conditions		
ambient temperature		
<ul> <li>during operation</li> </ul>	-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=3SU1032-2BM40-0AA0-Z Y15 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1032-2BM40-0AA0-Z Y15 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3SU1032-2BM40-0AA0-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=3SU1032-2BM40-0AA0-Z Y15⟨=en		

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