## SIEMENS

## Data sheet

## 3SU1032-2BP40-0AA0-Z Y12



Selector switch, illuminable, 22 mm, round, plastic with metal front ring, green, selector switch, short, 3 switch positions I>O<II, momentary contact on the left, latching on the right, actuating angle  $2x45^{\circ}$ , 10:30h/12h/13:30h, with laser labeling, lower case

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			
design of the product       Actuating/signaling element         product type designation       3SU1         product line       Plastic with metal front ring, matt, 22 mm         Factosure       Image: Comparison of the actuating element         Actuator       Selector, short         principle of operation of the actuating element       Image: Comparison of the actuating element         e light source       Yes         • contact module       Yes         • color of the actuating element       green         material of the actuating element       plastic         shape of the actuating element       green         outer diameter of the actuating element       plastic         shape of the actuating element       green         outer diameter of the actuating element       Substice         usting of the actuating element       Customized labeling, text in lower case letters         number of switching positions       3         actuating angle       -         • clockwise       45°         • anticlockwise       45°         Front ring       Sand gray         General technical data       gray         protection class IP       IP66, IP67, IP69, IP67, IP69, IP69, IP64, IP67, IP69, IP69, IP69, IP64, IP67, IP69, IP66, IP67, IP69, IP69, IP64, IP67, IP69, IP66, IP67, I	product brand name	SIRIUS ACT	
product type designation         3SU1           product line         Plastic with metal front ring, matt, 22 mm           Enclosure         I           Actuator         I           design of the actuating element         Selector, short           principle of operation of the actuating element         momentary contact/latching, 2x45" (10:30 h/12 h/13:30 h), return from left, right latching           product extension optional         •           • light source         Yes           • contact module         Yes           • contact module         Yes           • contact module         Yes           • actuating element         green           material of the actuating element         Plastic           shape of the actuating element         Customized labeling, text in lower case letters           number of switching positions         3           actuating angle         45°           • clockwise         45°           • anticlockwise         45°           restort tring         Yes           design of the front ring         standard           material of the front ring         standard           @doctowise         45°           for alway applications according to EN 61373         category 1, Class B	product designation	Selector switches	
Intervention         Plastic with metal front ring, matt, 22 mm           number of command points         1           Actuator         Actuator           design of the actuating element         Selector, short           principle of operation of the actuating element         momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching           product extension optional         Yes           • contact module         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           number of switching positions         3           actuating angle         45°           • anticlockwise         45°           • anticlockwise         45°           Front ring         sandard           material of the front ring         sandard           design of the front ring         sandard           degree of protection REMA rating         1, 2, 3, 3R, 4, 4X, 12, 13           shock resistance         according to IEC 60068-2-67           • according to IEC 60068-2-66         10 500 Hz: 5g           • action ya pplactions according to EN 61373         Category 1, Class B </th <th>design of the product</th> <th>Actuating/signaling element</th>	design of the product	Actuating/signaling element	
Enclosure       1         Actuator       4         design of the actuating element       Selector, short         principle of operation of the actuating element       momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching         product extension optional	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/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching         product extension optional	product line	Plastic with metal front ring, matt, 22 mm	
Actuator       Selector, short         design of the actuating element       Selector, short         principle of operation of the actuating element       infinitial infinitiation infinitiatinfinitiatintervise infinitiation infinitiatintervise infinitiatio	Enclosure		
design of the actuating element       Selector, short         principle of operation of the actuating element       momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching         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       32.3 mm         marking of the actuating element       Suitability, and the actuating element         outer diameter of the actuating element       Customized labeling, text in lower case letters         number of switching positions       3         actuating angle       •         • clockwise       45°         * anticlockwise       45°         Product component front ring       standard         material of the front ring       standard         material of the front ring       sand gray         General technical data          protection Class IP       IP66, IP67, IP69(IP69K)         degre 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<	number of command points	1	
principle of operation of the actuating element       momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching         product extension optional       ieft, right latching         • light source       Yes         • contact module       Yes         otor of the actuating element       plastic         shape of the actuating element       plastic         shape of the actuating element       23.3 mm         marking of the actuating element       23.3 mm         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       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)         e. according to IEC 60068-2-6       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         • for railway applications according to EN 6	Actuator		
Interface     left, right latching       product extension optional     Yes <ul> <li>light source</li> <li>contact module</li> <li>Yes</li> </ul> color of the actuating element     green       material of the actuating element     32.3 mm       outer diameter of the actuating element     32.3 mm       marking of the actuating element     22.3 mm       marking of the actuating element     23.3 mm       number of switching positions         3           actuating angle         45° <ul> <li>clockwise</li> <li>anticlockwise</li> </ul> <ul> <li>anticlockwise</li> <li>anticlockwise</li> </ul> for the 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 60068-2-6         10 500 Hz: 5g           category 1, Class B         10 500 Hz: 5g           operating frequency maximum         1800 1/h	design of the actuating element	Selector, short	
• light sourceYes• contact moduleYescolor of the actuating elementgreenmaterial 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 lettersnumber of switching positions3actuating angle-• clockwise45°• anticlockwise45°• anticlockwise45°design of the front ringYesdesign of the front ringMetal, mattcolor of the front ringsand grayGeneral technical data-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 resistance10500 Hz; 5g• according to IEC 60068-2-610500 Hz; 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	principle of operation of the actuating element		
• contact moduleYescolor of the actuating elementgreenmaterial of the actuating elementplasticshape of the actuating elementHandleouter diameter of the actuating element32.3 mmmarking of the actuating elementCustomized labeling, text in lower case lettersnumber of switching positions3actuating angle-• clockwise45°• anticlockwise45°• anticlockwise45°Front ringYesgeneral technical data-product component front ringYesdesign of the front ringstandardmaterial of the front ringstandardgeneral technical data-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 extension optional		
color of the actuating elementgreenmaterial 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 lettersnumber of switching positions3actuating angle45°• clockwise45°• anticlockwise45°front ringYesproduct component front ringYesdesign of the front ringstandardmaterial of the front ringMetal, mattcolor of the front ringstandardgeneral technical data1, 2, 3, 3R, 4, 4X, 12, 13protection 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 resistanceinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/h	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 letters         number of switching positions       3         actuating angle       -         e clockwise       45°         e anticlockwise       45°         e anticlockwise       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)         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         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         e for railway applications according to EN 61373       Category 1, Class B         operating frequency maximum       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 letters         number of switching positions       3         actuating angle       -         • clockwise       45°         • anticlockwise       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)         protection class IP       IP66, IP67, IP69(IP69K)         eaccording to IEC 60068-2-27       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       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	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 letters         number of switching positions       3         actuating angle       45°         • clockwise       45°         • 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 lass 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 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       Metal, matt         color of the front ring       sand gray         General technical data       12, 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         • 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       10 500 Hz: 5g         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       1800 1/h	shape of the actuating element	Handle	
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       Metal, matt         color of the front ring       sand gray         General technical data       Protection class IP         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	outer diameter of the actuating element	32.3 mm	
actuating angle       45°         • clockwise       45°         • anticlockwise       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 class IP         protection class IP       IP66, IP67, IP69(IP69K)         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance	marking of the actuating element	Customized labeling, text in lower case letters	
• clockwise45°• anticlockwise45°Front ringYesproduct 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	number of switching positions	3	
• anticlockwise45°Front ringYesproduct component front ringYesdesign of the front ringstandardmaterial of the front ringstandardcolor 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• 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	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         • according to IEC 60068-2-6       10 500 Hz: 5g         • 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	clockwise	45°	
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 resistance10 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 resistance10 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 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 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       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       10 500 Hz: 5g         • for railway applications according to EN 61373       Category 1, Class B	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 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	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)	
<ul> <li>according to IEC 60068-2-27</li> <li>sinusoidal half-wave 15g / 11 ms</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>vibration resistance         <ul> <li>according to IEC 60068-2-6</li> <li>10 500 Hz: 5g</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> </ul> </li> <li>operating frequency maximum</li> <li>1800 1/h</li> </ul>	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     according to IEC 60068-2-6     for railway applications according to EN 61373     Category 1, Class B     operating frequency maximum     1 800 1/h	shock resistance		
vibration resistance	<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     Deperating frequency maximum     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	10/01/2014
	200.000
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
<ul> <li>during storage</li> </ul>	-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=3SU1032-2BP40-0AA0-Z Y12 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1032-2BP40-0AA0-Z Y12 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3SU1032-2BP40-0AA0-Z Y12 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1032-2BP40-0AA0-Z Y12⟨=en	

last modified:

1/26/2022 🖸