## SIEMENS

## Data sheet

## 3SU1030-5RF11-0AA0-Z Y12



Key-operated switch BKS, 22 mm, round, plastic with metal front ring, Lock No. E2 (VW), without key, 2 switch positions O-I, latching, actuating angle  $90^{\circ}$ , 10:30h/13:30h, key removal O+I, with laser labeling, lower case

product brain frame       SintOS AC.1         product biggination       Key-operated switches         design of the product       Actuating/signaling element         product type designation       3SU1         product type designation       SSU1         product type designation       Iatching, 90° (10:30 h/13:30 h)         product type designation       No         color       of the actuating element       metal         shape of the actuating element       Key       No         outer diameter of the actuating element       Any inscription, text in lower case         number of switching positions       2       Smm         actuating angle       -       -         - dockwise       90°       -         lock make       BCS       -         key number       E2       -         Front ring       Standard       -         material of the front ring       Metal, matt       -	product brand name	SIRIUS ACT
design of the product     Actuating/signaling element       product type designation     3SU1       product line     Plastic with metal front ring, matt, 22 mm       Actuator     Iatching, 90° (10:30 h/13:30 h)       product extension optional light source     No       color     of the actuating element       material of the actuating element     silver       material of the actuating element     getter       shape of the actuating element     29.5 mm       marking of the actuating element     Any inscription, text in lower case       number of switching positions     2       switch position for key distraction     O+1       actuating angle     -       - clockwise     90°       lock make     BCS       key number     E2       Product component front ring     Yeas       design of the front ring     Standard       material of the front ring     Standard       material of the front ring     Standard       of the terminal     IP66, IP67, IP69(IP69K)       of the terminal     IP20       degree of protection NEMA rating     1, 2, 3, 3R, 4, 4X, 12, 13       shock resistance     sinusoidal half-wave 15g / 11 ms       o according to EIC 6008e-2-27     sinusoidal half-wave 15g / 11 ms       of relatering to IEC 6008e-2-67     10500 H		
product type designation         3SU1           product line         Plastic with metal front ring, matt, 22 mm           Actuator         principle of operation of the actuating element         latching, 90° (10:30 h/13:30 h)           product extension optional light source         No         No           color         silver         material of the actuating element         silver           material of the actuating element         get with metal         Key         No           outer diameter of the actuating element         29.5 mm         marking of the actuating element         29.5 mm           marking of the actuating element         Any inscription, text in lower case         actuating angle         of +1           olock make         BCS         switch position for key distraction         of +1           actuating angle         Standard         get single         get single           olock make         BCS         BCS         BCS         BCS           key number         Front ring         Yes         General tochnical data           protection class IP         IP66, IP67, IP69(IP69K)         IP66, IP67, IP69(IP69K)         IP66, IP67, IP69(IP69K)         IP20           of the terminal         IP20         sand gray         General tochnical data         IP20         Get gray in Licke 10608-2-27		
product line         Plastic with metal front ring, matt, 22 mm           Actuator		
Actuator       principle of operation of the actuating element       latching, 90° (10:30 h/13:30 h)         product extension optional light source       No         color       • of the actuating element       silver         material of the actuating element       metal         shape of the actuating element       Key         outer diameter of the actuating element       Any inscription, text in lower case         number of switching positions       2         switch position for key distraction       O+1         actuating angle       90°         • clockwise       90°         lock make       BCS         key number       E2         Front ing       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         eleger of protection NEMA rating       I, 2, 3, 3R, 4, 4X, 12, 13         shock resistance       e         e according to IEC 60068-2-6       10 500 Hz: 5g         e for railway applications according to EN 61373       Category 1, Class B         vibration resistance       according to IEC 6		
principle of operation of the actuating element         latching, 90° (10:30 h/13:30 h)           product extension optional light source         No           color	· ·	Plastic with metal front ring, matt, 22 mm
product extension optional light source         No           color         silver           material of the actuating element         metal           shape of the actuating element         Z9.5 mm           marking of the actuating element         Any inscription, text in lower case           number of switching positions         2           switch position for key distraction         O+I           actuating angle         -           - clockwise         90°           lock make         BCS           key number         E2           Front ring         Yes           design of the front ring         Standard           material of the front ring         Metal, matt           color of the front ring         Standard           material of the front ring         Metal, matt           color of the front ring         IP66, IP67, IP69(IP69K)           of the terminal         IP20           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         Categor	Actuator	
color       of the actuating element       silver         material of the actuating element       metal         shape of the actuating element       29.5 mm         number of switching positions       2         switch position for key distraction       O+I         actuating angle       00°         • clockwise       90°         lock make       BCS         key number       E2         Front ring       Yes         product component front ring       Standard         material of the front ring       Standard         material of the front ring       Standard         general technical data       IPP66, IP67, IP69(IP69K)         • of the terminal       IP20         • of the terminal       IP20         • of the front ring       sand gray         General technical data       IP20         • of the terminal       IP20         • of the terminal       IP20         • of the front RIM 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 res	principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
• of the actuating elementsilvermaterial of the actuating elementmetalshape of the actuating elementKeyouter diameter of the actuating elementAny inscription, text in lower casenumber of switching positions2switch position for key distractionO+Iactuating angle•• clockwise90°lock makeBCSkey numberE2Front ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringStandardmaterial of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistanceinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-6710 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Bvibration resistance1000 000• according to IEC 60068-2-6810 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S		No
material of the actuating element     metal       shape of the actuating element     Key       outer diameter of the actuating element     29.5 mm       marking of the actuating element     29.5 mm       number of switching positions     2       switch position for key distraction     O+1       actuating angle     90°       e clockwise     90°       lock make     BCS       key number     E2       Front ring     Yes       design of the front ring     Yes       design of the front ring     Standard       material of the front ring     Standard       material of the front ring     Standard       of the terminal     IP20       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       of or 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       reference code according to IEC 81346-2     S	color	
shape of the actuating elementKeyouter diameter of the actuating element29.5 mmmarking of the actuating elementAny inscription, text in lower casenumber of switching positions2switch position for key distractionO+Iactuating angle90°• clockwise90°lock makeBCSkey numberE2Front ringYesdesign of the front ringYesdesign of the front ringMetal, mattcolor of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection class IPinusoidal 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 maximum1800 1/hmechanical service life (switching cycles) typical1000 000reference code according to IEC 81346-2S	of the actuating element	silver
outer diameter of the actuating element     29.5 mm       marking of the actuating element     Any inscription, text in lower case       number of switching positions     2       switch position for key distraction     O+I       actuating angle     90°       • clockwise     90°       lock make     BCS       key number     E2       Front ring     Yes       design of 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     IP20       product component fort Arting     IP20       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       mechanical service life (switching cycles) typical     1 000 000       reference code according to IEC 81346-2     S	material of the actuating element	metal
marking of the actuating elementAny inscription, text in lower casenumber of switching positions2switch position for key distractionO+Iactuating angle90°e clockwise90°lock makeBCSkey numberE2Front ringYesdesign of the front ringYesdesign of the front ringMetal, mattcolor of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringIP66, IP67, IP69(IP69K)of the terminalIP20degree 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• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	shape of the actuating element	Кеу
number of switching positions2switch position for key distractionO+Iactuating angle90°o clockwise90°lock makeBCSkey numberE2Front ringYesdesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 msof railway applications according to EN 61373Category 1, Class Bvibration resistance0 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81348-2S	outer diameter of the actuating element	29.5 mm
switch position for key distraction       O+I         actuating angle       90°         ick make       BCS         key number       E2         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       IP20         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         of the railway applications according to EN 61373       Category 1, Class B         vibration resistance       in 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         reference code according to IEC 81348-2       S	marking of the actuating element	Any inscription, text in lower case
actuating angle • clockwise90°lock makeBCSkey numberE2Front ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP20degree 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• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1800 1/hmechanical service life (switching cycles) typical1000 000reference code according to IEC 81346-2S	number of switching positions	2
• clockwise90°lock makeBCSkey numberE2Front ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)of the terminalIP20design of ble C 60068-2-27sinusoidal half-wave 15g / 11 msof cr railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5gof r railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to EIC 81346-2S	switch position for key distraction	0+I
lock makeBCSkey numberE2Front ringYesproduct component front ringYesdesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)• of the terminalIP20degree 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 000reference code according to IEC 81346-2S	actuating angle	
key numberE2Front ringYesproduct component front ringStandarddesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance	clockwise	90°
Front ringproduct component front ringYesdesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP20protection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance	lock make	BCS
product component front ringYesdesign of the front ringStandardmaterial of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)• of the terminalIP20degree 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• for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	key number	E2
design of the front ringStandardmaterial of the front ringStandardcolor of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)o of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 mso for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5go for railway applications according to EN 61373Category 1, Class Boperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	Front ring	
material of the front ringMetal, mattcolor of the front ringsand grayGeneral technical dataprotection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree 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/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	product component front ring	Yes
color of the front ringsand grayGeneral technical dataIP66, IP67, IP69(IP69K)of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 msof or railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5goperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	design of the front ring	Standard
General technical data       IP66, IP67, IP69(IP69K)         • of the terminal       IP20         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       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         reference code according to IEC 81346-2       S	material of the front ring	Metal, matt
protection class IPIP66, IP67, IP69(IP69K)• of the terminalIP20degree 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 000reference code according to IEC 81346-2S	color of the front ring	sand gray
• of the terminalIP20degree 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 000reference code according to IEC 81346-2S	General technical data	
degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistance	protection class IP	IP66, IP67, IP69(IP69K)
shock 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 000reference code according to IEC 81346-2S	of the terminal	IP20
<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</li> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> <li>Category 1, Class B</li> <li>operating frequency maximum</li> <li>10 500 Hz: 5g</li> <li>operating frequency maximum</li> <li>1 800 1/h</li> <li>mechanical service life (switching cycles) typical</li> <li>1 000 000</li> <li>reference code according to IEC 81346-2</li> <li>S</li> </ul>	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
• 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 000reference code according to IEC 81346-2S	shock resistance	
vibration 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 000reference code according to IEC 81346-2S	<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     mechanical service life (switching cycles) typical 1 000 000     reference code according to IEC 81346-2 S	<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         operating frequency maximum       1 800 1/h         mechanical service life (switching cycles) typical       1 000 000         reference code according to IEC 81346-2       S	vibration resistance	
operating frequency maximum1 800 1/hmechanical service life (switching cycles) typical1 000 000reference code according to IEC 81346-2S	<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
mechanical service life (switching cycles) typical       1 000 000         reference code according to IEC 81346-2       S	<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
reference code according to IEC 81346-2 S	operating frequency maximum	1 800 1/h
	mechanical service life (switching cycles) typical	1 000 000
Substance Prohibitance (Date) 10/01/2014	reference code according to IEC 81346-2	S
	Substance Prohibitance (Date)	10/01/2014

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	29.5 mm	
width	29.5 mm	
shape of the installation opening	round	
mounting diameter	22.3 mm	
positive tolerance of installation diameter	0.4 mm	
mounting height	56.3 mm	
installation width	29.5 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=3SU1030-5RF11-0AA0-Z Y12		
Cax online generator		
http://support.automation.siemens.com/WW/CAXorder/defau		
Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-		
	<u>-ORF 11-UAAU-Z_T1Z</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=3SU1030-5RF11-0AA0-Z Y12&lang=en

last modified:

1/26/2022 🖸