## SIEMENS

## Data sheet

## 3SU1030-5PN51-0AA0-Z Y11



Key-operated switch BKS, 22 mm, round, plastic with metal front ring, lock number S1, with 2 keys, 3 switch positions I-O<II, left latching, right momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, key removal O+I, with laser labeling, upper case

product brand name         SIRUS ACT           product designation         Key-operated switches           design of the product         Actuating/signaling element           product type designation         3SU1           product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number of included key         3SU1950-0FD80-0AA0           Actuation         Iatching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching           product extension optional light source         No           color         of the actuating element           shape of the actuating element         silver           material of the actuating element         Key           outer diameter of the actuating element         Ay inscription, text in upper case           number of switching positions         3           switch position for key distraction         O+I           actuating angle         45°           • olockwise         45°           e anticlockwise         45°           font ring         Yes           design of the front ring         Standard           material of the front ring         Standard           off the front ring         IP20           decign of the front ring         sand gray		
design of the product       Actuating/signaling element         product type designation       3SU1         product line       Plastic with metal front ring, matt, 22 mm         manufacturer's article number of included key       2SU1950-0FD80-0AA0         Actuator       Iatching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching         principle of operation of the actuating element       Iatching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching         product extension optional light source       No         color       • of the actuating element         shape of the actuating element       metal         shape of the actuating element       Key         outer diameter of the actuating element       Any inscription, text in upper case         number of switching positions       3         switch position for key distraction       O+1         actuating angle       45°         • anticlockwise       45°         • anticlockwise       45°         Iock make       BCS         key number       S1         product component front ring       Yes         general technical data       IP66, IP67, IP69(IP69K)         protection class IP       IP66, IP67, IP69(IP69K)         • of the terminal       IP20<	product brand name	SIRIUS ACT
product type designation         3SU1           product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number of included key         2SU1950-0FD8-0AAQ           Actuator         Included key           principle of operation of the actuating element         Including momentary contact, 2x45" (10:30 h/12 h/13:30 h), return from right, left latching           product extension optional light source         No           color         of the actuating element           material of the actuating element         metal           shape of the actuating element         metal           marking of the actuating element         29.5 mm           marking of the actuating element         Ary inscription, text in upper case           number of switching positions         3           switch position for key distraction         O+I           actuating angle         45"           e anticlockwise         45"           fook make         BCS           key number         S1           Front ring         Yes           general technical data         IP20           product component front ring         Metal, matt           color of the front ring         IP20           execriting to IEC 60068-2-27         sinusoidal haf-wave 15g / 11 ms	product designation	Key-operated switches
product line         Plastic with metal front ring, matt, 22 mm           manufacturer's article number of included key         3SU1950-0FD80-0AA0           Actuator         principle of operation of the actuating element           include actuating element         latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching           product extension optional light source         No           color         of the actuating element           material of the actuating element         metal           shape of the actuating element         Rey           outer diameter of the actuating element         Any inscription, text in upper case           number of switching positions         3           switch position for key distraction         O+I           actuating angle         45°           e clockwise         45°           lock make         BCS           key number         S1           Front ring         Standard           product component front ring         Standard           gasing of the front ring         Standard           geree of protection NEMA rating         1, 2, 3, 3R, 4, 4X, 12, 13           shock resistance         e.cocning to IEC 60068-2-27           e for railway applications according to EN 61373         Category 1, Class B	design of the product	Actuating/signaling element
manufacturer's article number of included key         3SU1950-0FD80-0AAQ           Actuator         principle of operation of the actuating element         latching/momentary contact, 2x45" (10:30 h/12 h/13:30 h), return from right, left latching           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         20.6 mm           marking of the actuating element         Any inscription, text in upper case           number of switching positions         3           switch position for key distraction         0+1           actuating angle         45°           e lockwise         45°           olockwise         45°           lock make         BCS           key number         Standard           product component front ring         Yes           design of the front ring         Metal, matt           color of the front ring         IP20           product component four ring         IP20           design of the front ring         IP20           dering of the front ring         IP20           e according to IEC 60068-2-27	product type designation	3SU1
Actuator       principle of operation of the actuating element       latching/momentary contact, 2x45" (10:30 h/12 h/13:30 h), return from right, left latching         product extension optional light source       No         o 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 upper case         number of switching positions       3         switch position for key distraction       O+1         actuating angle       elockwise         e olockwise       45°         e lock make       BCS         key number       S1         Front ring       Yes         design of the front ring       Yes         design of the front ring       Standard         material of the front ring       Standard         general technical data       IP20         protection class IP       IP66, IP67, IP69(IP69K)         e 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 for railway applications according to ER 61373       Category 1, Class B	product line	Plastic with metal front ring, matt, 22 mm
principle of operation of the actuating element         latching/momentary contact, 2x45" (10:30 h/12 h/13:30 h), return from right, left latching           product extension optional light source         No           color         • of the actuating element           material of the actuating element         silver           material of the actuating element         Mey           outer diameter of the actuating element         Any inscription, text in upper case           number of switching positions         3           switch position for key distraction         O+1           actuating angle         45°           • clockwise         45°           • anticlockwise         BCS           key number         S1           Front ring         Yes           design of the front ring         Yes           design of the front ring         Metal, matt           color of the front ring         Sand gray           General tachnical data         IP20           of the terminal         IP20           • according to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms           • for railway applications according to EC 6008-2-6         10 500 Hz: 5g           • for railway applications according to EN 61373         Category 1, Class B	manufacturer's article number of included key	<u>3SU1950-0FD80-0AA0</u>
right, left latching     right, left latching       product extension optional light source     No       color     of the actuating element       material of the actuating element     metal       shape of the actuating element     29.5 mm       marking of the actuating element     Any inscription, text in upper case       number of switching positions     3       switch position for key distraction     O+1       actuating angle     elockwise       e olockwise     45°       e olockwise     45°       lock make     BCS       key number     S1       Product component front ring     Yes       design of the front ring     Standard       material of the front ring     Standard       material of the front ring     Standard       material of the front ring     Standard       general technical data     IP20       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 for railway applications according to EN 61373     Category 1, Class B	Actuator	
protection reprinting element       metal         • 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       Any inscription, text in upper case         number of switchling positions       3         switch position for key distraction       O+1         actuating angle       • clockwise         • clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         Front ring       Yes         general technical data       general technical data         protection class IP       IP26         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         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       • according to EC 60068-2-6         • for railway applications according to EN 61373       Category 1, Class B	principle of operation of the actuating element	
• of the actuating element       silver         material of the actuating element       metal         shape of the actuating element       29.5 mm         marking of the actuating element       29.5 mm         marking of the actuating element       Any inscription, text in upper case         number of switching positions       3         switch position for key distraction       O+1         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         Front ring       Yes         design of the front ring       Yes         design 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)         • 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       according to IEC 60068-2-6       10 500 Hz: 5g         • for railway applic	product extension optional light source	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       Any inscription, text in upper case         number of switching positions       3         switch position for key distraction       O+1         actuating angle       -         • clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         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         protection class IP       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         • for railway applications according to EN 61373       Category 1, Class B         vibration resistance       • for railway applications according to EN 61373	color	
shape of the actuating element       Key         outer diameter of the actuating element       29.5 mm         marking of the actuating element       Any inscription, text in upper case         number of switching positions       3         switch position for key distraction       O+I         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         Front ring       Yes         design of the front ring       Standard         material of the front ring       Standard         protection class IP       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         • 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	<ul> <li>of the actuating element</li> </ul>	silver
outer diameter of the actuating element       29.5 mm         marking of the actuating element       Any inscription, text in upper case         number of switching positions       3         switch position for key distraction       O+I         actuating angle          • clockwise       45°         • actuating angle          • clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         Front ring       Yes         design of the front ring       Standard         material of the front ring       Metal, matt         color 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       • according to IEC 60068-2-6         • for railway applications according to EN 61373       Category 1, Class B	material of the actuating element	metal
marking of the actuating element       Any inscription, text in upper case         number of switching positions       3         switch position for key distraction       O+I         actuating angle       0+I         • clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         Front ring       Yes         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       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       Category 1, Class B	shape of the actuating element	Кеу
number of switching positions       3         switch position for key distraction       O+I         actuating angle          • clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         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       IP66, IP67, IP69(IP69K)         protection class IP       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       Category 1, Class B	outer diameter of the actuating element	29.5 mm
switch position for key distraction       O+I         actuating angle       45°         • clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         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         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	marking of the actuating element	Any inscription, text in upper case
actuating angle       45°         • clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         Front ring       Yes         design of the front ring       Yes         design 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)         • 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         • 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	number of switching positions	3
• clockwise       45°         • anticlockwise       45°         lock make       BCS         key number       S1         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         protection class IP       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       Category 1, Class B	switch position for key distraction	O+I
• anticlockwise       45°         lock make       BCS         key number       S1         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         protection class IP       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       Category 1, Class B	actuating angle	
lock makeBCSkey numberS1Front 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 or railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5gof or railway applications according to EN 61373Category 1, Class B	clockwise	45°
key number       S1         Front ring       Yes         product component front ring       Standard         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)         • 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         • 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	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       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         of the resistance       in category 1, Class B         vibration resistance       10 500 Hz: 5g         of or railway applications according to EN 61373       Category 1, Class B	lock make	BCS
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)• 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 B	key number	S1
design 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 resistancesinusoidal half-wave 15g / 11 msof trailway applications according to EN 61373Category 1, Class Bvibration resistanceI0 500 Hz: 5gof trailway applications according to EN 61373Category 1, Class B	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 60068-2-27• for railway applications according to EN 61373Category 1, Class Bvibration resistance10 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class B	product component front ring	Yes
color 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 resistanceInstance• 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 B	design of the front ring	Standard
General technical data         protection class IP       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         • 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)• of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistanceinusoidal half-wave 15g / 11 ms• according to IEC 60068-2-27sinusoidal half-wave 15g / 11 ms• for railway applications according to EN 61373Category 1, Class Bvibration resistanceinusoidal to IEC 60068-2-6• according to IEC 60068-2-610 500 Hz: 5g• for railway applications according to EN 61373Category 1, Class B	color of the front ring	sand gray
• of the terminal       IP20         degree of protection NEMA rating       1, 2, 3, 3R, 4, 4X, 12, 13         shock resistance	General technical data	
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 B	protection class IP	IP66, IP67, IP69(IP69K)
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	<ul> <li>of the terminal</li> </ul>	IP20
• 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 B	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
for railway applications according to EN 61373 Category 1, Class B      ibration resistance         e according to IEC 60068-2-6         for railway applications according to EN 61373 Category 1, Class B      Category 1, Class B	shock resistance	
vibration resistance       0         • according to IEC 60068-2-6       10 500 Hz: 5g         • for railway applications according to EN 61373       Category 1, Class B	<ul> <li>according to IEC 60068-2-27</li> </ul>	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	<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	vibration resistance	
	<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
operating frequency maximum 1 800 1/h	<ul> <li>for railway applications according to EN 61373</li> </ul>	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
Substance Prohibitance (Date)	10/01/2014
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	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=3SU1030-5PN51-0AA0-Z Y11	
Cax online generator http://support.automation.siemens.com/WW/CAXorder/defau	Ilt.aspx?lang=en&mlfb=3SU1030-5PN51-0AA0-Z Y11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5PN51-0AA0-Z Y11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1030-5PN51-0AA0-Z Y11&lang=en

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