SIEMENS

Data sheet

3SU1050-5BL31-0AA0-Z Y01



key-operated switch Siemens, 22 mm, round, metal, shiny, special lock, with 2 keys, 3 switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h, key removal II

product brand name SIRUS ACT product designation Key-operated switches design of the product Actuating/signaling element product line Metal, shiny, 22 mm Actuator		
design of the product Actuating/signaling element product type designation 3SU1 product line Metal, shiny, 22 mm Actuator	product brand name	SIRIUS ACT
product type designation 3SU1 product line Metal. shiny, 22 mm Actuator Principle of operation of the actuating element latching, 2x45* (10:30 h/12 h/13:30 h) product extension optional light source No color	product designation	Key-operated switches
product line Metal, shiny, 22 mm Actuator Principle of operation of the actuating element Iatching, 2x45° (10:30 h/12 h/13:30 h) product extension optional light source No color of the actuating element metal shape of the actuating element metal shape of the actuating element metal shape of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction II actuating angle 45° e anticlockwise 45° e anticlockwise 45° e anticlockwise 45° olock make Siemens Front ring Yees design of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the terminal IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance ainusoidal half-wave 15g / 11 ms vibration resistance ainusoidal half-wave 15g / 11 ms ereference of according to IEC 60068-2-6 10 500 H2: 5g	design of the product	Actuating/signaling element
Actuator principle of operation of the actuating element Iatching, 2x45° (10:30 h/12 h/13:30 h) product extension optional light source No color • of the actuating element metal shape of the actuating element metal shape of the actuating element Key outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction II actuating angle • • clockwise 45° • anticlockwise 45° • anticlockwise 45° ock make Siemens Product component front ring Yes design of the front ring Standard material of the front ring Silver General tochnical data IP20 protection nERM 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 vibration resistance sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-8 10 500 Hz: 5g operating frequency maximum 1 800 1/h <th>product type designation</th> <th>3SU1</th>	product type designation	3SU1
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product extension optional light source No color silver material of the actuating element metal shape of the actuating element metal shape of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction II actuating angle - • clockwise 45° • anticlockwise 45° • anticlockwise 45° lock make Silemens Front ring Yes design of the front ring Metal. high gloss color of the front ring Silver General tochnical data IP20 odegree 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 vibration resistance 10 500 Hz: 5g • according to IEC 60068-2-26 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 3000 000 reference code accordin	Actuator	
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material of the actuating element metal shape of the actuating element 29.5 mm outer diameter of the actuating element 29.5 mm number of switching positions 3 switch position for key distraction II actuating angle 45° • clockwise 45° • anticlockwise 45° lock make Siemens Front ring Yes design of the front ring Standard material of the front ring Wetal, high gloss color of the front ring silver General technical data IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-27 • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h metal 1000 00 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	color	
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number of switching positions 3 switch position for key distraction II actuating angle II e clockwise 45° • anticlockwise 45° lock make Siemens Front ring Yes gesign of the front ring Standard material of the front ring Metal, high gloss color of the front ring silver General technical data IP20 degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance eaccording to IEC 60068-2-27 vibration resistance 0 • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	shape of the actuating element	Key
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• anticlockwise45°lock makeSiemensFront ringYesproduct component front ringStandarddesign of the front ringStandardmaterial of the front ringMetal, high glosscolor of the front ringsilverGeneral technical dataIP66, IP67, IP69(IP69K)of the terminalIP20degree of protection NEMA rating1, 2, 3, 3R, 4, 4X, 12, 13shock resistancesinusoidal half-wave 15g / 11 msvibration resistance0 500 Hz: 5goperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical300 000reference code according to IEC 81346-2SSubstance (Date)10//01/2014	actuating angle	
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Front ring Yes product component front ring Standard material of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the front ring silver 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 vibration resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	anticlockwise	45°
product component front ring Yes design of the front ring Standard material of the front ring Metal, high gloss color of the front ring silver 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 vibration resistance in 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	lock make	Siemens
design of the front ring Standard material of the front ring Metal, high gloss color of the front ring silver 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 vibration resistance 0 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (operating cycles) typical 300 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	Front ring	
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• 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 msvibration resistance• according to IEC 60068-2-610 500 Hz: 5goperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical300 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/1/2014	General technical data	
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• according to IEC 60068-2-610 500 Hz: 5goperating frequency maximum1 800 1/hmechanical service life (operating cycles) typical300 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
operating frequency maximum1 800 1/hmechanical service life (operating cycles) typical300 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014	vibration resistance	
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reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014	operating frequency maximum	1 800 1/h
Substance Prohibitance (Date) 10/01/2014	mechanical service life (operating cycles) typical	300 000
	reference code according to IEC 81346-2	S
Safety related data	Substance Prohibitance (Date)	10/01/2014
	Safety related data	
B10 value with high demand rate according to SN 31920 300 000	B10 value with high demand rate according to SN 31920	300 000
proportion of dangerous failures	proportion of dangerous failures	
• with low demand rate according to SN 31920 20 %	 with low demand rate according to SN 31920 	20 %

 with high demand rate according to SN 31920 	20 %	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
Ambient conditions		
ambient temperature		
 during operation 	-25 +70 °C	
during storage	-40 +80 °C	
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%)	
Installation/ mounting/ dimensions		
height	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	61 mm	
installation width	29.5 mm	
installation depth	25.4 mm	
Certificates/ approvals		
Further information		
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 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=3SU1050-5BL31-0AA0-Z Y01 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5BL31-0AA0-Z Y01		
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5BL31-0AA0-Z Y01 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-5BL31-0AA0-Z Y01⟨=en		

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