## SIEMENS

## Data sheet

## 3SU1050-5BL11-0AA0-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  $2x45^{\circ}$ , 10:30h/12h/13:30h, key removal I+O+II

product brand name         SIRIUS ACT           product designation         Key-operated switches           design of the product         Actuating/signaling element           product type designation         3SU1           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       Iatching, 2x45° (10:30 h/12 h/13:30 h)         product extension optional light source       No         color       of the actuating element         e 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       O+I+II         actuating angle       e clockwise         e anticlockwise       45°         e anticlockwise       Siemens	product brand name	SIRIUS ACT	
product type designation3SU1product lineMetal, shiny, 22 mmActuatorMetal, shiny, 22 mmprinciple of operation of the actuating elementlatching, 2x45° (10:30 h/12 h/13:30 h)product extension optional light sourceNocolore of the actuating element• of the actuating elementsilvermaterial of the actuating elementmetalshape of the actuating elementKeyouter diameter of the actuating element29.5 mmnumber of switching positions3switch position for key distractionO+I+IIactuating anglee clockwisee lock wise45°e anticlockwise45°lock makeSiemens	product designation	Key-operated switches	
product line       Metal, shiny, 22 mm         Actuator       Metal, shiny, 22 mm         principle of operation of the actuating element       latching, 2x45° (10:30 h/12 h/13:30 h)         product extension optional light source       No         color       silver         • 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       O+I+II         actuating angle       elockwise       45°         elockwise       45°       Siemens	design of the product	Actuating/signaling element	
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       silver         • 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       O+I+II         actuating angle       45°         • anticlockwise       45°         Iock make       Siemens	product type designation	3SU1	
principle of operation of the actuating elementlatching, 2x45° (10:30 h/12 h/13:30 h)product extension optional light sourceNocolor-• of the actuating elementsilvermaterial of the actuating elementmetalshape of the actuating elementKeyouter diameter of the actuating element29.5 mmnumber of switching positions3switch position for key distractionO+I+IIactuating angle-• clockwise45°• anticlockwise45°Iock makeSiemens	product line	Metal, shiny, 22 mm	
product extension optional light source       No         color       silver         • of the actuating element       silver         material 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       O+I+II         actuating angle       45°         • anticlockwise       45°         Iock make       Siemens	Actuator		
colorsilver• of the actuating elementsilvermaterial of the actuating elementmetalshape of the actuating elementKeyouter diameter of the actuating element29.5 mmnumber of switching positions3switch position for key distractionO+I+IIactuating angle-• clockwise45°• anticlockwise45°Iock makeSiemens	principle of operation of the actuating element	latching, 2x45° (10:30 h/12 h/13:30 h)	
• of the actuating elementsilvermaterial of the actuating elementmetalshape of the actuating elementKeyouter diameter of the actuating element29.5 mmnumber of switching positions3switch position for key distractionO+I+IIactuating angle	product extension optional light source	No	
material of the actuating elementmetalshape of the actuating elementKeyouter diameter of the actuating element29.5 mmnumber of switching positions3switch position for key distractionO+I+IIactuating angle• clockwise45°• anticlockwise45°lock makeSiemens	color		
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     O+I+II       actuating angle     -       • clockwise     45°       • anticlockwise     45°       Iock make     Siemens	<ul> <li>of the actuating element</li> </ul>	silver	
outer diameter of the actuating element     29.5 mm       number of switching positions     3       switch position for key distraction     O+I+II       actuating angle     -       • clockwise     45°       • anticlockwise     45°       lock make     Siemens	material of the actuating element	metal	
number of switching positions     3       switch position for key distraction     O+I+II       actuating angle     • clockwise       • clockwise     45°       • anticlockwise     45°       Iock make     Siemens	shape of the actuating element	Кеу	
switch position for key distraction     O+I+II       actuating angle        • clockwise     45°       • anticlockwise     45°       lock make     Siemens	outer diameter of the actuating element	29.5 mm	
actuating angle     45°       • clockwise     45°       • anticlockwise     45°       lock make     Siemens	number of switching positions	3	
• clockwise     45°       • anticlockwise     45°       lock make     Siemens	switch position for key distraction	O+I+II	
anticlockwise 45° lock make Siemens	actuating angle		
lock make Siemens	clockwise	45°	
	anticlockwise	45°	
Front ring	lock make	Siemens	
Torting	Front ring		
product component front ring Yes	product component front ring	Yes	
design of the front ring Standard	design of the front ring	Standard	
material of the front ring Metal, high gloss	material of the front ring	Metal, high gloss	
color of the front ring silver	color of the front ring	silver	
General technical data	General technical data		
protection class IP IP66, IP67, IP69(IP69K)	protection class IP	IP66, IP67, IP69(IP69K)	
• of the terminal IP20	of the terminal	IP20	
degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13	
shock resistance	shock resistance		
according to IEC 60068-2-27     sinusoidal half-wave 15g / 11 ms	<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms	
vibration resistance	vibration resistance		
• according to IEC 60068-2-6 10 500 Hz: 5g	<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g	
operating frequency maximum 1 800 1/h	operating frequency maximum	1 800 1/h	
mechanical service life (operating cycles) typical 300 000	mechanical service life (operating cycles) typical	300 000	
reference code according to IEC 81346-2 S	reference code according to IEC 81346-2	S	
Substance Prohibitance (Date) 10/01/2014	Substance Prohibitance (Date)	10/01/2014	
Safety related data	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 law demonstrate and "I' to ON 01000	00.0/	

<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		
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=3SU1050-5BL11-0AA0-Z Y01		
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-5BL11-0AA0-Z Y01 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-5BL11-0AA0-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=3SU1050-5BL11-0AA0-Z Y01⟨=en		

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