SIEMENS

Data sheet

3SU1051-1AA00-0AA0-Z X90



Illuminated mushroom pushbutton, 22 mm, round, metal, shiny, amber, 30 mm, latching, pull-to-unlatch mechanism, Z=50-unit packaging

product brand name SIRIUS ACT product designation Mushroom pushbuttons design of the product Actualing/signaling element product type designation 3SU1 product line Metal, shiny, 22 mm Enclosure		
design of the product Actuating/signaling element product type designation 3SU1 product line Metal, shiny, 22 mm Enclosure 1 Actuator design of the actuating element principle of operation of the actuating element latching product extension optional light source Yes color of the actuating element amber material of the actuating element plastic shape of the actuating element glastic outer diameter of the actuating element yound type of unlocking device pull-to-unlatch mechanism number of switching positions 2 product component front ring Standard material of the front ring Standard of the front ring silver General technical data product function e MERGENCY OFF function No e MERGENCY STOP function No vibration resistance sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms • ibouction class IP 1800 1/h mechanical service life (syntching cycles) typical 500 0000	product brand name	SIRIUS ACT
product type designation 3SU1 product line Metal, shiny, 22 mm Enclosure number of command points 1 Actuator Illuminated principle of operation of the actuating element Istability principle of operation of the actuating element Istability Istability Istability product extension optional light source Yes Stability Stability Stability color of the actuating element plastic stability Stability	product designation	Mushroom pushbuttons
product line Metal, shiny, 22 mm Enclosure number of command points 1 Actuator design of the actuating element Illuminated principle of operation of the actuating element Iatching product extension optional light source Yes color of the actuating element plastic shape of the actuating element pull-to-unlatch mechanism outer diameter of the actuating element 30 mm type of unlocking device pull-to-unlatch mechanism number of switching positions 2 Front ring Yes design of the front ring Standard material of the front ring Standard of the front ring silver General tochnical data product component front ring product Incurction No • EMERGENCY OFF function No • EMERGENCY STOP function No vibration resistance sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance 1 1800 1/h mechanical service life (switching cycles) lypical 500 000	design of the product	Actuating/signaling element
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Actuator design of the actuating element illuminated principle of operation of the actuating element latching product extension optional light source Yes color of the actuating element amber material of the actuating element plastic shape of the actuating element outer dlameter of the actuating element outer dlameter of the actuating element 30 mm type of unlocking device pull-to-unlatch mechanism number of switching positions 2 Front ring Yes geign of the front ring Standard material of the front ring Standard material of the front ring sliver General tochnical data product function 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 vibration resistance 10500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 80346-2 S Substance Prohibitance (Date) 10/01	Enclosure	
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principle of operation of the actuating element latching product extension optional light source Yes color of the actuating element plastic shape of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 30 mm type of unlocking device pull-to-unlatch mechanism number of switching positions 2 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 product function protection class IP IP66, IP67, IP69(IP69K) degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13 shock resistance according to IEC 60068-2-27 e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance 1800 1/h e according to IEC 60068-2-26 10 500 Hz: 5g operating frequency maximum 1800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S	Actuator	
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color of the actuating element amber material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 30 mm type of unlocking device pull-to-unlatch mechanism number of switching positions 2 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 product function product function No e EMERGENCY OFF function No e EMERGENCY STOP function No e according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance 0 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) lypical source life (switching cycles) lypical 500 000 s reference code according to IEC 81346-2 S S Substance Prohibitance (Date) 10/01/2014 Ambient conditions	principle of operation of the actuating element	latching
material of the actuating element plastic shape of the actuating element round outer diameter of the actuating element 30 mm type of unlocking device pull-to-unlatch mechanism number of switching positions 2 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 Image: Standard product function No • EMERGENCY OFF function No • EMERGENCY OFF function No • EMERGENCY OFF function No • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance - • according to IEC 60068-2-26 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	product extension optional light source	Yes
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outer diameter of the actuating element 30 mm type of unlocking device pull-to-unlatch mechanism number of switching positions 2 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 product function No • EMERGENCY OFF function No 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 • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	material of the actuating element	plastic
type of unlocking device pull-to-unlatch mechanism number of switching positions 2 Front ring Product component front ring Yes design of the 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 Product function • EMERGENCY OFF function No • EMERGENCY STOP function No 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 vibration resistance 10 500 Hz: 5g • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	shape of the actuating element	round
number of switching positions 2 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 silver product function No • EMERGENCY OFF function No 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 vibration resistance 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	outer diameter of the actuating element	30 mm
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 silver product function No • EMERGENCY OFF function No 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 vibration resistance 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	type of unlocking device	pull-to-unlatch mechanism
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product functionNo• EMERGENCY OFF functionNo• EMERGENCY STOP functionNoprotection 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 msvibration resistance0• according to IEC 60068-2-610 500 Hz: 5goperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014Ambient conditionsambient temperature	color of the front ring	silver
• EMERGENCY OFF functionNo• EMERGENCY STOP functionNoprotection 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 msvibration resistance• according to IEC 60068-2-610 500 Hz: 5goperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014Ambient conditions	General technical data	
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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 msvibration resistance10 500 Hz: 5g• according to IEC 60068-2-610 500 Hz: 5goperating frequency maximum1 800 1/hmechanical service life (switching cycles) typical500 000reference code according to IEC 81346-2SSubstance Prohibitance (Date)10/01/2014Ambient conditionsambient temperature	EMERGENCY STOP function	No
shock resistance sinusoidal half-wave 15g / 11 ms • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance 10 500 Hz: 5g • according to IEC 60068-2-6 10 500 Hz: 5g operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	protection class IP	IP66, IP67, IP69(IP69K)
	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
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mechanical service life (switching cycles) typical 500 000 reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	 according to IEC 60068-2-6 	10 500 Hz: 5g
reference code according to IEC 81346-2 S Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	operating frequency maximum	1 800 1/h
Substance Prohibitance (Date) 10/01/2014 Ambient conditions ambient temperature	mechanical service life (switching cycles) typical	500 000
Ambient conditions ambient temperature	reference code according to IEC 81346-2	S
ambient temperature	Substance Prohibitance (Date)	10/01/2014
•	Ambient conditions	
• during operation -25 +70 °C	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	30 mm
width	30 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	27.5 mm
installation width	30 mm
installation depth	24.4 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=3SU1051-1AA00-0AA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1051-1AA00-0AA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1051-1AA00-0AA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <u>http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1051-1AA00-0AA0-Z X90&lang=en</u>

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