## 3SU1050-1ED10-0AA0-Z Y10

## **Data sheet**



Mushroom pushbutton, 22 mm, round, metal, shiny, black, 40 mm, 3 switch positions, after pushing in Retraction to center position, after pulling out the button Retraction to center position, with laser labeling, upper case and lower case, always upper case at beginning of line

product type designation design of the product product type designation product type designation product type designation product line  Enclosure number of command points  1  Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element material of the actuating element marking of the actuating element marking of the actuating element with capital letter number of switching positions 3  Front ring product component front ring design of the front ring silver  Ceneral technical data product fire front ring  EMERGENCY OFF function  • EMERGENCY STOP function • according to IEC 60068-2-6 • according to IEC 60068-2-8  Substance Prohibitance (Date)  • Ambient conditions ambient temperature • during operation  Actuating Metal, shiny, 22 mm  Momentary contact type  Actuation  Actuation  Metal, shiny, 22 mm  momentary contact type  To momentary contact type  Momentary contact type  To momentary contact type  No  Customized labeling, text in lower case / capital letters, all lines start with capital letter  Author  Vount date in the contact type  Momentary contact type  Actuation  Actuation  Actuation  Momentary contact type  No  Customized labeling, text in lower case / capital letters, all lines start  Momentary contact type  No  Customized labeling, text in lo	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm  Enclosure number of command points 1  Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element  outer diameter of the actuating element arking of the actuating element  marking of the actuating element  customized labeling, text in lower case / capital letters, all lines start with capital letter  number of switching positions 3  Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring emetal technical data  product function  • EMERGENCY OFF function • EMERGENCY STOP function • EMERGENCY STOP function  • EMERGENCY STOP function  • EMERGENCY STOP function • Capital letter (Stopped Standard)  protection class IP degree of protection NEMA rating 1, 2, 3, 3R, 4, 4X, 12, 13  shock resistance • according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions  amblent temperature	product designation	Mushroom pushbuttons
product line Metal, shiny, 22 mm  Enclosure  number of command points  Actuator  principle of operation of the actuating element product extension optional light source principle of operation of the actuating element product extension optional light source No	design of the product	Actuating/signaling element
Enclosure number of command points  Actuator principle of operation of the actuating element product extension optional light source color of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element customized labeling, text in lower case / capital letters, all lines start with capital letter number of switching positions  Front ring product component front ring design of the front ring silver  General technical data product function  EMERGENCY OFF function EMERGENCY STOP function EMERGENCY STOP function  EMERGENCY STOP function Protection INBM rating Shock resistance according to IEC 60068-2-8 operating frequency maximum  mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions  ambient temperature	product type designation	3SU1
number of command points  Actuator  principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element  number of switching positions  Front ring product component front ring design of the front ring Standard material of the front ring silver  General technical data product function  • EMERGENCY OFF function • EMERGENCY STOP function No protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 6008h2 Ambient conditions amblent temperature	product line	Metal, shiny, 22 mm
Actuator  principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element Customized labeling, text in lower case / capital letters, all lines start with capital letter  number of switching positions 3  Front ring product component front ring 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  • EMERGENCY OFF function • EMERGENCY OFF function No emerce of protection NEMA rating shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance • according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	Enclosure	
principle of operation of the actuating element product extension optional light source color of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element outer diameter outer	number of command points	1
product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element  marking of the actuating element  customized labeling, text in lower case / capital letters, all lines start with capital letter  number of switching positions  3  Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring silver  General technical data product function  EMERGENCY OFF function EMERGENCY STOP function  EMERGENCY STOP function  Optotection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  wibration resistance according to IEC 60068-2-6  Operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance (patch is accor	Actuator	
color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element  Customized labeling, text in lower case / capital letters, all lines start with capital letter  number of switching positions  Front ring product component front ring design of the front ring Metal, high gloss color of the front ring sliver  General technical data  product function  EMERGENCY OFF function EMERGENCY STOP function Optotection class IP degree of protection NEMA rating shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions  ambient temperature	principle of operation of the actuating element	momentary contact type
material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element  number of switching positions  Front ring  product component front ring design of the front ring material of the front ring material of the front ring silver  General technical data  product function  EMERGENCY OFF function EMERGENCY STOP function OF protection class IP degree of protection NEMA rating shock resistance  according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance  according to IEC 60068-2-6 operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	product extension optional light source	No
shape of the actuating element outer diameter of the actuating element marking of the actuating element  Dustomized labeling, text in lower case / capital letters, all lines start with capital letter  number of switching positions  Front ring product component front ring design of the front ring material of the front ring Standard material of the front ring silver  General technical data product function  EMERGENCY OFF function EMERGENCY STOP function Protection class IP De66, IP67, IP69(IP69K) Degree of protection NEMA rating shock resistance  according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance  according to IEC 60068-2-6 Departing frequency maximum 1800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	color of the actuating element	black
outer diameter of the actuating element     40 mm       marking of the actuating element     Customized labeling, text in lower case / capital letters, all lines start with capital letter       number of switching positions     3       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     silver       General technical data       product function     No       • 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     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 (switching cycles) typical     300 000       reference code according to IEC 81346-2     S       Substance Prohibitance (Date)     10/01/2014       Ambient temperature	material of the actuating element	plastic
marking of the actuating element  number of switching positions  Front ring product component front ring design of the front ring material of the front ring Standard material of the front ring material of the front ring Standard material of the front ring Metal, high gloss color of the front ring product vertical products for a fraction of the front ring for a fraction of the front ring for a fraction of the front ring for a fraction of the fract	shape of the actuating element	round
number of switching positions  Front ring  product component front ring  design of the front ring  material of the front ring  color of the front ring  general technical data  product function  • EMERGENCY OFF function  • EMERGENCY STOP function  • EMERGENCY STOP function  No  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  vibration resistance  • according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	outer diameter of the actuating element	40 mm
product component front ring product component front ring design of the front ring Metal, high gloss color of the front ring silver  General technical data  product function  • EMERGENCY OFF function • EMERGENCY STOP function No protection class IP lP66, IP67, IP69(IP69K) 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  vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	marking of the actuating element	
product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring silver  General technical data  product function  • EMERGENCY OFF function • EMERGENCY STOP function No protection class IP lefe, IP67, IP69(IP69K) degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 vibration resistance • according to IEC 60068-2-6  operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	number of switching positions	3
design of the front ring material of the front ring Color of the front ring Metal, high gloss silver  General technical data  product function  • EMERGENCY OFF function • 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 • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum 1 800 1/h mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	Front ring	
material of the front ring color of the front ring silver  General technical data product function  • EMERGENCY OFF function • EMERGENCY STOP function  protection class IP degree of protection NEMA rating shock resistance • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance • according to IEC 60068-2-6  operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	product component front ring	Yes
color of the front ring  General technical data  product function  • EMERGENCY OFF function • EMERGENCY STOP function  no  protection class IP  lP66, IP67, IP69(IP69K)  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  vibration resistance • according to IEC 60068-2-6  10 500 Hz: 5g  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  ambient temperature	design of the front ring	Standard
General technical data  product function  • EMERGENCY OFF function  • EMERGENCY STOP function  No  protection class IP  degree of protection NEMA rating  shock resistance  • according to IEC 60068-2-27  vibration resistance  • according to IEC 60068-2-6  • according to IEC 60068-2-6  10 500 Hz: 5g  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	material of the front ring	Metal, high gloss
product function  • EMERGENCY OFF function • 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 • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance • according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum mechanical service life (switching cycles) typical reference code according to IEC 81346-2 Substance Prohibitance (Date)  Ambient conditions ambient temperature	color of the front ring	silver
EMERGENCY OFF function     EMERGENCY STOP 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     sinusoidal half-wave 15g / 11 ms  vibration resistance     • according to IEC 60068-2-6     10 500 Hz: 5g  operating frequency maximum     1 800 1/h  mechanical service life (switching cycles) typical     300 000  reference code according to IEC 81346-2     Substance Prohibitance (Date)  Ambient conditions ambient temperature	General technical data	
EMERGENCY STOP function     protection class IP     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  vibration resistance     • according to IEC 60068-2-6     operating frequency maximum     1 800 1/h     mechanical service life (switching cycles) typical     reference code according to IEC 81346-2     Substance Prohibitance (Date)  Ambient conditions ambient temperature	product function	
protection class IP  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  vibration resistance  • according to IEC 60068-2-6  operating frequency maximum  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	<ul> <li>EMERGENCY OFF function</li> </ul>	No
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  vibration resistance  ● according to IEC 60068-2-6  10 500 Hz: 5g  operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	EMERGENCY STOP function	No
shock resistance  • according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance  • according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum 1 800 1/h  mechanical service life (switching cycles) typical 300 000  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)
according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  vibration resistance     according to IEC 60068-2-6 10 500 Hz: 5g  operating frequency maximum 1 800 1/h  mechanical service life (switching cycles) typical 300 000  reference code according to IEC 81346-2 S  Substance Prohibitance (Date) 10/01/2014  Ambient conditions  ambient temperature	degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
vibration resistance	shock resistance	
<ul> <li>according to IEC 60068-2-6</li> <li>10 500 Hz: 5g</li> <li>operating frequency maximum</li> <li>mechanical service life (switching cycles) typical</li> <li>reference code according to IEC 81346-2</li> <li>Substance Prohibitance (Date)</li> <li>Ambient conditions</li> <li>ambient temperature</li> </ul>	according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
operating frequency maximum  1 800 1/h  mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  ambient temperature	vibration resistance	
mechanical service life (switching cycles) typical  reference code according to IEC 81346-2  Substance Prohibitance (Date)  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)  Ambient conditions  ambient temperature		300 000
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	
	<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	40 mm
width	40 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	32 mm
installation width	40 mm
installation depth	24.6 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=3SU1050-1ED10-0AA0-Z Y10

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1050-1ED10-0AA0-Z\ Y10-0AA0-Z\ Y10-0AA0-Z$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1ED10-0AA0-Z Y10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1050-1ED10-0AA0-Z Y10&lang=en

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