SIEMENS

Data sheet 3SB2000-1AC01

Emergency stop mushroom pushbutton, 16 mm, round, plastic, red latching, with rotate-to-unlatch mechanism, according to ISO 13850

product brand name	SIRIUS
product designation	EMERGENCY STOP mushroom pushbuttons
design of the product	Single device round with positive latching in accordance with ISO 13850
product type designation	3SB2
Enclosure	
number of command points	1
Actuator	
design of the actuating element	EMERGENCY STOP mushroom pushbutton
principle of operation of the actuating element	latching
product extension optional light source	No
color of the actuating element	red
material of the actuating element	plastic
outer diameter of the actuating element	28.5 mm
type of unlocking device	rotate-to-unlatch mechanism
number of switching positions	2
Front ring	
product component front ring	No
Holder	
material of the holder	Plastic
General technical data	
product function	
● EMERGENCY OFF function	Yes
● EMERGENCY STOP function	Yes
protection class IP	IP65
vibration resistance according to IEC 60068-2-6	20 ... 200 Hz: 5g
operating frequency maximum	1 000 1/h
mechanical service life (operating cycles) typical	300 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	07/01/2006
Weight	0.02 kg
Connections/ Terminals	
tightening torque of the screws in the bracket maximum	0.4 N·m
Safety related data	
proportion of dangerous failures	
● with low demand rate according to SN 31920	20 %
● with high demand rate according to SN 31920	20 %
B10 value with high demand rate according to SN 31920	100 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
IEC 61508	

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T1 value for proof test interval or service life according to IEC 61508	20 a
Ambient conditions	
ambient temperature	
● during operation	-25 ... +70 °C
● during storage	-40 ... +80 °C
environmental category during operation according to IEC 60721	3K6
Installation/ mounting/ dimensions	
fastening method	front plate mounting
shape of the installation opening	round
mounting diameter	16 mm
mounting height	21 mm
installation width	28.5 mm
installation depth	50 mm

Approvals Certificates

General Product Approval				Test Certificates	
CE EG-Konf.	UKCA	UL UL	EAC	Miscellaneous	Special Test Certific-ate

Test Certificates	other	Environment
Type Test Certific-ates/Test Report	Confirmation	Environmental Con-firmations

Further information

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=3SB2000-1AC01
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB2000-1AC01
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SB2000-1AC01
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB2000-1AC01&lang=en

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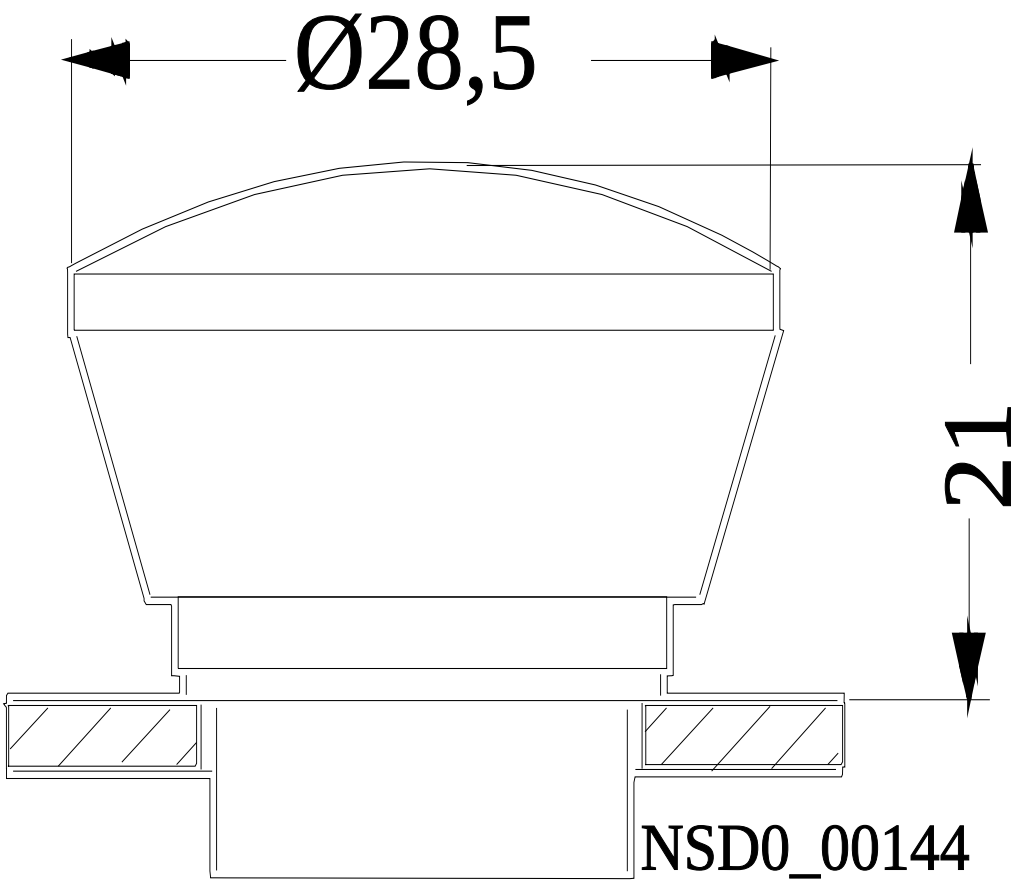

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