

22MM METAL ROUND ACTUATOR: EMERGEN.-STOP
MUSHR.PUSHB. 40MM WITH RONIS KEY-OPER.SWITCH
LATCHING WITH KEY-OPER.SWITCH- UNLOCKING LOCK NO
455 WITH HOLDER RED POSSIBLE SPECIAL CLOSURES: 3SB30,
3SB31, 421

Design of the product	Single device round with positive latching in accordance with ISO 13850
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Enclosure:

Number of command points	1
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Actuator:

Design of the operating mechanism	Emergency stop mushroom pushbutton with lock
Manner of function 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	40 mm
Type of unlocking device	key unlatching
Number of switching positions	2
Switch position for key distraction	O+I
Lock make	RONIS

Front ring:

Product component front ring	No
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Holder:

Material of the holder	Metal
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General technical data:

Product function	
• EMERGENCY OFF function	Yes
• EMERGENCY STOP function	Yes
Protection class IP	IP67
Vibration resistance	
• acc. to IEC 60068-2-6	20 ... 200 Hz: 5g
Operating frequency maximum	1 000 1/h
Mechanical service life (switching cycles)	
• typical	300 000
Equipment marking	

- acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750
- acc. to DIN EN 61346-2
- acc. to DIN EN 81346-2

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Connections/ Terminals:

Tightening torque of the screws in the bracket	1.4 ... 1.6 N·m
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Safety related data:

B10 value

- with high demand rate acc. to SN 31920 100 000

Proportion of dangerous failures

- with low demand rate acc. to SN 31920 20 %
- with high demand rate acc. to SN 31920 20 %

Failure rate [FIT]

- with low demand rate acc. to SN 31920 100 FIT

T1 value for proof test interval or service life acc. to IEC 61508

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Ambient conditions:

Ambient temperature

- during operation -25 ... +70 °C
- during storage -40 ... +80 °C

Environmental category during operation acc. to IEC 60721

3K6

Installation/ mounting/ dimensions:

Mounting type	front mounting
Shape of the installation opening	round
Mounting diameter	22 mm
Mounting height	71 mm
Installation width	40.5 mm
Installation depth	29 mm

Certificates/approvals

General Product Approval		Declaration of Conformity	Test Certificates	Shipping Approval	
 CSA	 EAC	 EG-Konf.	spezielle Prüfbescheinigungen <u>n</u>	 ABS	 DNV

Shipping Approval			other		
 LRS	 PRS	 RINA	Bestätigungen	sonstig	Umweltbestätigung

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SB3500-1JA20>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB3500-1JA20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SB3500-1JA20>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB3500-1JA20&lang=en

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