

22MM METAL ROUND COMPLETE UNIT COMBINATION:
EMERGEN.-STOP MUSHR.PUSHB. 40MM LATCHING W.PULL-
TO-UNLOCK MECH. WITH YELLOW BACKING PLATE SCREW
TERMINAL, 1NC WITH HOLDER RED SOLVENT RESISTANT
INSCRIPTION: EMERGENCY STOP

Design of the product	Complete unit round with positive latching in accordance with ISO 13850
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Enclosure:

Shape of the enclosure front	round
Material of the enclosure	metal
Number of command points	1

Actuator:

Design of the operating mechanism	Emergency stop mushroom pushbutton
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
Type of unlocking device	pull-to-unlatch mechanism
Number of switching positions	2

Front ring:

Product component front ring	No
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Holder:

Material of the holder	Metal
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Contact block/ lampholder:

Number of lampholders	0
Number of switching elements	1

General technical data:

Product function	
• positive opening	Yes
Product component	
• Light source	No
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	S
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	S

Auxiliary circuit:

Number of NC contacts	
• for auxiliary contacts	1
Number of NO contacts	
• for auxiliary contacts	0
Number of CO contacts	
• for auxiliary contacts	0
Operating current at AC-12	
• at 24 V rated value	10 A
• at 48 V rated value	10 A
• at 110 V rated value	10 A
• at 230 V rated value	10 A
• at 400 V rated value	10 A
Operating current at AC-15	
• at 24 V rated value	6 A
• at 48 V rated value	6 A
• at 110 V rated value	6 A
• at 230 V rated value	6 A
• at 400 V rated value	3 A
Operating current at DC-12	
• at 24 V rated value	10 A
• at 48 V rated value	5 A
• at 110 V rated value	2.5 A
• at 230 V rated value	1 A
Operating current at DC-13	
• at 24 V rated value	3 A
• at 48 V rated value	1.5 A
• at 110 V rated value	0.7 A
• at 230 V rated value	0.3 A

Connections/ Terminals:

Type of electrical connection	screw-type terminals
Tightening torque of the screws in the bracket	1 N·m

Safety related data:

B10 value	
• with high demand rate acc. to SN 31920	30 000

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	20 y

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

Accessories:

Product component holder for 3 switching elements	No
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Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
 CCC	 VDE	 EG-Konf.	spezielle Prüfbescheinigungen n

Shipping Approval	other
 ABS	 DNV
 LRS	 PRS
	 RINA

other
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=3SB36031TR20>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB36031TR20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SB36031TR20>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB36031TR20&lang=en

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