

Reference: 3SB3000-1HA20

22MM PLASTIC ROUND ACTUATOR:  
EMERGEN.-STOP MUSHR.PUSHB. 40MM  
LATCH.W. ROT.-TO-UNLATCH MECH. WITH  
HOLDER RED

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Design of the product	Single device round with positive latching in accordance with ISO 13850
Enclosure:	
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
Outer diameter of the actuating element	40.5 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	IP66
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
Connections/ Terminals:	
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
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	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
Mounting height	49 mm
Installation width	40.5 mm
Installation depth	29 mm