



Emergency stop mushroom pushbutton, 16 mm, round, plastic, red, latching, with rotate-to-unlatch mechanism, according to ISO 13850, 1 NC, with yellow backing plate, EMERGENCY STOP

product brand name	SIRIUS
product designation	EMERGENCY STOP mushroom pushbuttons
design of the product	Complete unit 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
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
Contact block/ lampholder	
number of lampholders	0
number of switching elements	1
General technical data	
product function	
• positive opening	Yes
• EMERGENCY STOP function	Yes
type of voltage of the operating voltage	AC/DC
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 (switching cycles) typical	10 000 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	07/01/2006
operating voltage rated value	5 ... 250 V
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
operational current at AC-12	

<ul style="list-style-type: none"> • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 230 V rated value 	10 A 10 A 10 A 10 A
operational current at AC-15 <ul style="list-style-type: none"> • at 24 V rated value • at 110 V rated value • at 230 V rated value 	4 A 4 A 4 A
operational current at DC-12 <ul style="list-style-type: none"> • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 230 V rated value 	6 A 5 A 2.5 A 1 A
operational current at DC-13 <ul style="list-style-type: none"> • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 230 V rated value 	3 A 1.2 A 0.7 A 0.3 A

Connections/ Terminals

type of electrical connection	tab terminals
tightening torque of the screws in the bracket	0.4 N·m

Safety related data

B10 value with high demand rate according to SN 31920	100 000
proportion of dangerous failures	
<ul style="list-style-type: none"> • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 	20 % 20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT

Ambient conditions

ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-25 ... +70 °C -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

Accessories

marking of backing plate	Yellow backing plate, inscription "NOT-HALT"
---------------------------------	--

Certificates/ approvals

General Product Approval	Declaration of Conformity
--------------------------	---------------------------



Test Certificates	other
-------------------	-------

[Special Test Certificate](#)

[Miscellaneous](#)

[Confirmation](#)

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=3SB2203-1AC01>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB2203-1AC01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SB2203-1AC01>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB2203-1AC01&lang=en

last modified:

1/26/2022 