SIEMENS

Data sheet **3SB3603-1HR20**

22MM METAL ROUND COMPLETE UNIT COMBINATION: EMERGEN.-STOP MUSHR.PUSHB. 40MM LATCH.W. ROT.-TO-UNLATCH MECH. WITH YELLOW BACKING PLATE SCREW TERMINAL, 1NC WITH HOLDER RED INSCRIPTION: EMERGENCY STOP !!! Phased-out product !!! SIRIUS ACT 3SU1 is successor Preferred successor type is >>3SU1150-1HB20-1CG0<<

Figure similar

design of the product	Complete unit round with positive latching in accordance with ISO 13850
Enclosure	
shape of the enclosure front	round
material of the enclosure	metal
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	Metal
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
type of voltage of the operating voltage	AC/DC
protection class IP	IP67
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
operating voltage rated value	5 ... 400 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	
● at 24 V rated value	10 A
● at 48 V rated value	10 A
● at 110 V rated value	10 A

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● at 230 V rated value	10 A
● at 400 V rated value	10 A
operational 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
operational 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
operational 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	1.4 ... 1.6 N·m

Safety related data

B10 value with high demand rate according to SN 31920	100 000
proportion of dangerous failures	
● with low demand rate according to SN 31920	20 %
● with high demand rate according to SN 31920	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT

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 mounting
shape of the installation opening	round
mounting diameter	22 mm
mounting height	49 mm
installation width	40.5 mm
installation depth	49 mm

Accessories

product component holder for 3 switching elements	No

Certificates/ approvals

General Product Approval				**Marine / Shipping**	
CSA	CCC	UL	EAC	Lloyd's Register LRS	PRS

Marine / Shipping		**other**
RINA	DNV·GL	Confirmation Miscellaneous

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.

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Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SB3603-1HR20
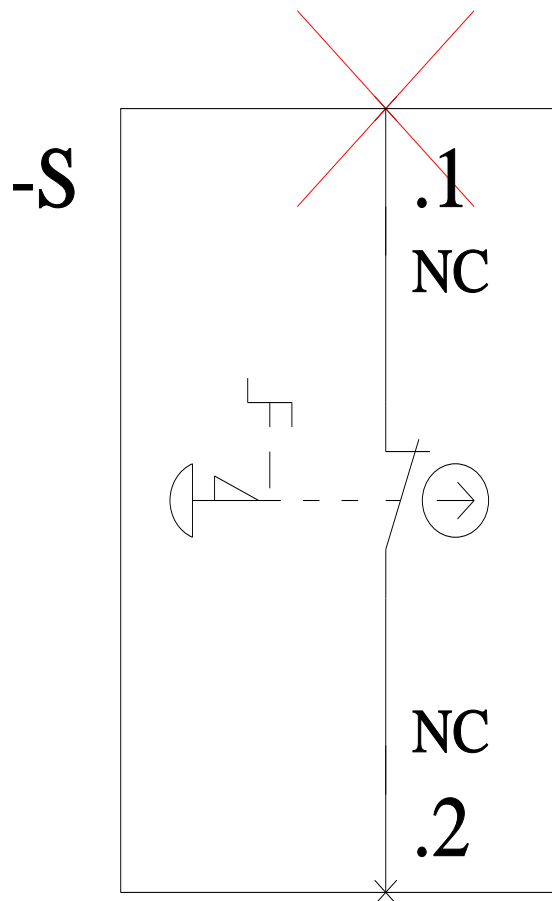
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB3603-1HR20

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SB3603-1HR20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB3603-1HR20&lang=en

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