# **SIEMENS**

Data sheet 3SB3801-0EG3



ENCLOSURE FOR COMMAND DEVICES, 22MM, ROUND, ENCLOSURE MATERIAL PLASTIC, ENCLOSURE TOP PART YELLOW, 1 COMMAND POINT, A=EMERGENCY STOP MUSHROOM PUSHBUTTON RED, 40MM, ROTATE-TO-UNLATCH, 1NC, 1NC, SCREW CONNECTION, FLOOR MOUNTING, 1 X M20 EACH AT TOP AND BOTTOM

Enclosure	
Design of the housing	Enclosure for command and signaling devices with standard
	equipment
Shape of the enclosure front	Square
Material of the enclosure	plastic
Number of command points	1
Product component	
<ul> <li>protective collar</li> </ul>	No
Color	
<ul> <li>of top part of the enclosure</li> </ul>	yellow
Delivery state	
● as a kit	No
<ul> <li>pre-wired on strip terminal</li> </ul>	No
Mounting type of the enclosure	Vertical

No

No

Product feature

• lockout

Design of the operating mechanism

Product extension optional Light source

Emergency stop mushroom pushbutton

Color	
	Red
of the actuating element  Material of the actuating element	
Material of the actuating element  Type of unlocking device	plastic rotate-to-unlatch mechanism
Type of unlocking device	Totale-to-dillaton mechanism
Front ring	
Product component front ring	No
Holder	
Material of the holder	Plastic
Contact block/ lampholder	
Contact block/ lampholder  Number of lampholders	0
Number of switching elements	2
General technical data	
Product function	Yes
• positive opening	Yes
EMERGENCY OFF function     EMERGENCY OFF function	
EMERGENCY STOP function  Product occurrence	Yes
Product component	No
Light source     Character description	No
Stand/pedestal  Type of voltage	NO
Type of voltage	AC/DC
of the operating voltage     Protection class IP	IP65
Vibration resistance	IFOS
• acc. to IEC 60068-2-6	20 200 Hz: 5g
Equipment marking	25 200 Hz. 0g
acc. to DIN 40719 extended according to IEC	S
204-2 acc. to IEC 750	
• acc. to DIN EN 61346-2	S
• acc. to DIN EN 81346-2	S
Operating voltage	
• at AC	
— at 50 Hz rated value	5 400 V
— at 60 Hz rated value	5 300 V
• at DC	
— rated value	5 230 V
Operating voltage 1	
• at AC	
— at 50 Hz rated value	400 V
— at 60 Hz rated value	300 V
• at DC rated value	230 V

Number of NC contacts   2	Auxiliary circuit	
Number of NO contacts	•	
• for auxiliary contacts     Operating current at AC-12     • at 24 V rated value     • at 48 V rated value     • at 230 V rated value     • at 400 V rated value     • at 400 V rated value     • at 42 V rated value     • at 48 V rated value     • at 24 V rated value     • at 110 V rated value     • at 110 V rated value     • at 110 V rated value     • at 230 V rated value     • at 230 V rated value     • at 24 V rated value     • at 24 V rated value     • at 230 V rated value     • at 48 V rated value     • at 48 V rated value     • at 48 V rated value     • at 42 V rated value     • at 43 V rated value     • at 43 V rated value     • at 48 V rated value     • at 48 V rated value     • at 24 V rated value     • at 23 V rated value     • at 24 V rated value     • at 23 V rated value     • at 23 V rated value     • at 24 V rated value     • at 23 V rated value     • at 23 V rated value     • at 23 V rated value     • at 24 V rated value     • at 23 V rated value     • with 100 demand rate acc. to SN 31920     • with 100 demand rate acc. to SN 31920     • with 100 demand rate acc. to SN 31920     • with 100 demand rate acc. to SN 31920     • with 100 demand rate acc. to SN 31920     • with 100 demand rate acc. to SN 31920     • with 100 demand rate acc. to SN 31920     • with 100 demand rate acc. to SN 31920     • with 100 demand	• for auxiliary contacts	2
Number of CO contacts  • for auxiliary contacts  0 perating current at AC-12  • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 400 V rated value • at 400 V rated value • at 48 V rated value • at 400 V rated value • at 48 V rated value • at 110 V rated value • at 1230 V rated value • at 230 V rated value • at 24 V rated value • at 24 V rated value • at 110 V rated value • at 230 V rated value • at 110 V rated value • at	Number of NO contacts	
• for auxiliary contacts  Operating current at AC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value • at 240 V rated value • at 24 V rated value • 6 A • at 24 V rated value • 6 A • at 48 V rated value • 6 A • at 110 V rated value • 6 A • at 110 V rated value • 6 A • at 48 V rated value • 6 A • at 400 V rated value • 10 A  Operating current at DC-12 • at 24 V rated value • at 230 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 230 V rated value • at 230 V rated value • at 230 V rated value • at 24 V rated value • at 230 V rated value • at 24 V rated value • at 250 V rated value •	• for auxiliary contacts	0
Operating current at AC-12  • at 24 V rated value • at 48 V rated value • at 430 V rated value • at 230 V rated value • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 24 V rated value • at 24 V rated value • at 230 V rated value • at 24 V rated value • 6 A • at 110 V rated value • 6 A • at 110 V rated value • at 230 V rated value • at 230 V rated value • at 24 V rated value • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 24 V rated value • at 320 V rated value • at 320 V rated value • at 320 V rated value • at 48 V rated value • at 230 V rated value • at 24 V rated value • at 230 V rated value • at 300 V rated value • at 230 V rated value • with 100 demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920	Number of CO contacts	
at 24 V rated value     at 110 V rated value     at 110 V rated value     at 110 V rated value     at 230 V rated value     at 230 V rated value     at 240 V rated value     at 240 V rated value     at 240 V rated value     at 24 V rated value     at 24 V rated value     at 280 V rated value     at 280 V rated value     at 290 V rated value     at 400 V rated value     at 400 V rated value     at 24 V rated value     at 24 V rated value     at 25 V rated value     at 27 V rated value     at 280 V rated value     at 290 V rated value	<ul> <li>for auxiliary contacts</li> </ul>	0
• at 48 V rated value • at 110 V rated value • at 230 V rated value • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value  Operating current at AC-15 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 230 V rated value • at 230 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value • at 24 V rated value • at 230 V rated value • at 24 V rated value • at 230 V rated value • at 24 V rated value • at 230 V rated value • at 110 V rated value • at 230 V rated value • at 110 V rated value • at 230 V rated value • at 240 V rated value • at 250 V rated value • at 250 V rated value • at 250 V rated value • at 110 V rated value • at 230 V rate	Operating current at AC-12	
• at 110 V rated value • at 230 V rated value • at 400 V rated value  10 A  Operating current at AC-15 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 48 V rated value • at 230 V rated value • at 230 V rated value • at 440 V rated value • at 440 V rated value • at 440 V rated value • at 230 V rated value • at 230 V rated value • at 230 V rated value • at 24 V rated value • at 28 V rated value • at 29 V rated value • at 29 V rated value • at 20 V rated value • at 230 V rated value • at 230 V rated value • at 230 V rated value • at 24 V rated value • at 25 A • at 27 V rated value • at 28 V rated value • at 29 V rated value • at 29 V rated value • at 20 V rated value • at 110 V rated value • at 230 V rated val	• at 24 V rated value	10 A
at 230 V rated value at 400 V rated value bat 400 V rated value calculated at 400 V rated value at 24 V rated value bat 24 V rated value calculated at 24 V rated value calculated at 230 V rated value calculated at 24 V rated value calculated at 24 V rated value calculated at 24 V rated value calculated at 25 A calculated at 25 A calculated at 26 A calculated at 27 V rated value calculated at 27 V rated value calculated at 28 V rated value calculate	• at 48 V rated value	10 A
at 400 V rated value  Operating current at AC-15  at 24 V rated value  at 48 V rated value  at 110 V rated value  at 230 V rated value  at 400 V rated value  at 48 V rated value  at 25 A  at 21 V rated value  at 20 V rated value  at 20 V rated value  at 20 V rated value  at 21 V rated value  at 230 V rated value  at 24 V rated value  at 27 V rated value  at 28 V rated value  at 29 V rated value  at 20 V rated value  at 2	at 110 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 3 A  Operating current at DC-12  • at 24 V rated value 10 A  • at 24 V rated value 5 A  • at 24 V rated value 5 A  • at 230 V rated value 10 A  • at 24 V rated value 5 A  • at 24 V rated value 5 A  • at 230 V rated value 1 A  Operating current at DC-13  • at 230 V rated value 1 A  Operating current at DC-13  • at 24 V rated value 3 A  • 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 on enclosure 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 %  • with high demand rate acc. to SN 31920 20 %  • with high demand rate acc. to SN 31920 20 %	• at 230 V rated value	10 A
at 24 V rated value     at 48 V rated value     at 110 V rated value     at 230 V rated value     at 400 V rated value     at 400 V rated value     at 24 V rated value     at 24 V rated value     at 24 V rated value     at 25 A     out 27 V rated value     at 28 V rated value     at 28 V rated value     at 29 V rated value     at 20 V	• at 400 V rated value	10 A
at 48 V rated value at 110 V rated value at 230 V rated value at 400 V rated value at 400 V rated value  at 24 V rated value  at 48 V rated value  at 48 V rated value  at 110 V rated value  at 25 A  at 210 V rated value  at 200 V rated value  at 24 V rated value  at 20 V rated	Operating current at AC-15	
at 110 V rated value at 230 V rated value at 400 V rated value at 400 V rated value  at 24 V rated value  at 24 V rated value  at 48 V rated value  at 2.5 A  at 230 V rated value  at 24 V rated value  at 48 V rated value  at 48 V rated value  at 1.5 A  at 110 V rated value  at 230 V rated value  at 250 V rated	• at 24 V rated value	6 A
at 230 V rated value 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 1 A Operating current at DC-13 at 230 V rated value 1 A  Operating current at DC-13 at 24 V rated value 1 A  Operating current at DC-13 at 24 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 48 V rated value 0.7 A at 230 V rated value 0.3 A  Connections/Terminals  Type of electrical connection on enclosure Tightening torque of the screws in the bracket  Tightening torque of the screws in the bracket  B10 value with high demand rate acc. to SN 31920 Proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 a with high demand rate acc. to SN 31920  Failure rate [FIT]	• at 48 V rated value	6 A
at 400 V rated value  Operating current at DC-12  at 24 V rated value  at 48 V rated value  at 48 V rated value  at 110 V rated value  at 2.5 A  at 230 V rated value  at 24 V rated value  at 48 V rated value  at 48 V rated value  at 230 V rated value  at 24 V rated value  at 24 V rated value  at 25 A  at 25 A  at 26 V rated value  at 24 V rated value  at 24 V rated value  at 25 A  at 25 A  at 26 V rated value  at 27 V rated value  at 26 V rated value  at 27 V rated value  at 28 V rated value  at 27 V rated value  at 27 V rated value  at 27 V rated value  at 28 V rated value  at 29 V rated value  at 29 V rated value  at 29 V rated value  at 20 V rated value	• at 110 V rated value	6 A
Operating current at DC-12  • at 24 V rated value • at 48 V rated value • at 110 V rated value • at 230 V rated value • at 24 V rated value • at 230 V rated value  Operating current at DC-13 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 230 V rated value • at 230 V rated value • at 230 V rated value  Connections/Terminals  Type of electrical connection on enclosure Tightening torque of the screws in the bracket  Tightening torque of the screws in the bracket  Cable routing above and below, both 1 x M20 1 1.2 N·m  Safety related data  B10 value • with high demand rate acc. to SN 31920  Proportion of dangerous failures • with low demand rate acc. to SN 31920  vith high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT]	• at 230 V rated value	6 A
at 24 V rated value at 48 V rated value at 110 V rated value at 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 3 A at 48 V rated value 3 A at 210 V rated value 3 A  Connections/Terminals  Type of electrical connection on enclosure Tightening torque of the screws in the bracket  Type of electrical connection on enclosure Tightening torque of the screws in the bracket  Tune 1.2 N·m  Safety related data  B10 value with high demand rate acc. to SN 31920  Proportion of dangerous failures with low demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920 with high demand rate acc. to SN 31920  Failure rate [FIT]	• at 400 V rated value	3 A
at 48 V rated value  at 110 V rated value  at 2.5 A  at 230 V rated value  1 A  Operating current at DC-13  at 24 V rated value  at 48 V rated value  at 48 V rated value  at 230 V rated value  connections/Terminals  Type of electrical connection on enclosure  Tightening torque of the screws in the bracket  Tightening torque of the screws in the bracket  B10 value  with high demand rate acc. to SN 31920  Proportion of dangerous failures  with low demand rate acc. to SN 31920  with high demand rate acc. to SN 31920  at 20 %  Failure rate [FIT]	Operating current at DC-12	
at 110 V rated value  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  3 A  at 230 V rated value  3 A  Connections/Terminals  Type of electrical connection on enclosure  Tightening torque of the screws in the bracket  Cable routing above and below, both 1 x M20  1 1.2 N·m  Safety related data  B10 value  with high demand rate acc. to SN 31920  Proportion of dangerous failures  with high demand rate acc. to SN 31920  at 20 %  Failure rate [FIT]	• at 24 V rated value	10 A
at 230 V rated value  Operating current at DC-13  at 24 V rated value  at 24 V rated value  at 230 V rated value  Connections/Terminals  Type of electrical connection on enclosure  Tightening torque of the screws in the bracket  Tightening torque of the screws in the bracket  Cable routing above and below, both 1 x M20  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  Proportion of dangerous failures  with low demand rate acc. to SN 31920  with high demand rate acc. to SN 31920  with high demand rate acc. to SN 31920  at 20 %  Failure rate [FIT]	• at 48 V rated value	5 A
Operating current at DC-13  • at 24 V rated value  • at 48 V rated value  • at 110 V rated value  • at 230 V rated value  Connections/Terminals  Type of electrical connection on enclosure  Tightening torque of the screws in the bracket  Cable routing above and below, both 1 x M20  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  Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920	● at 110 V rated value	2.5 A
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>3 A</li> <li>at 230 V rated value</li> <li>0.3 A</li> </ul> Connections/Terminals Type of electrical connection on enclosure <ul> <li>Cable routing above and below, both 1 x M20</li> <li>Tightening torque of the screws in the bracket</li> <li>1 1.2 N·m</li> </ul> Safety related data B10 value <ul> <li>with high demand rate acc. to SN 31920</li> <li>with low demand rate acc. to SN 31920</li> <li>with low demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> </ul> Failure rate [FIT]	• at 230 V rated value	1 A
<ul> <li>at 48 V rated value</li> <li>at 110 V rated value</li> <li>0.7 A</li> <li>at 230 V rated value</li> <li>0.3 A</li> </ul> Connections/Terminals Type of electrical connection on enclosure <ul> <li>Cable routing above and below, both 1 x M20</li> <li>1 1.2 N·m</li> </ul> Safety related data B10 value <ul> <li>with high demand rate acc. to SN 31920</li> <li>with low demand rate acc. to SN 31920</li> <li>with low demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> </ul> Failure rate [FIT]	Operating current at DC-13	
<ul> <li>at 110 V rated value</li> <li>at 230 V rated value</li> <li>Connections/Terminals</li> <li>Type of electrical connection on enclosure</li> <li>Tightening torque of the screws in the bracket</li> <li>1 1.2 N·m</li> <li>Safety related data</li> <li>B10 value <ul> <li>with high demand rate acc. to SN 31920</li> <li>with low demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> </ul> </li> <li>Failure rate [FIT]</li> </ul>	• at 24 V rated value	3 A
at 230 V rated value      Connections/Terminals  Type of electrical connection on enclosure  Cable routing above and below, both 1 x M20  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  Proportion of dangerous failures      with low demand rate acc. to SN 31920  with high demand rate acc. to SN 31920  with high demand rate acc. to SN 31920  with high demand rate acc. to SN 31920  Failure rate [FIT]	• at 48 V rated value	1.5 A
Type of electrical connection on enclosure  Tightening torque of the screws in the bracket  Safety related data  B10 value  • with high demand rate acc. to SN 31920  Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT]	• at 110 V rated value	0.7 A
Type of electrical connection on enclosure  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  Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT]	• at 230 V rated value	0.3 A
Type of electrical connection on enclosure  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  Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT]	Connections/Terminals	
Safety related data  B10 value  • with high demand rate acc. to SN 31920  Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT]		Cable routing above and below, both 1 x M20
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]	Tightening torque of the screws in the bracket	1 1.2 N·m
<ul> <li>with high demand rate acc. to SN 31920</li> <li>Proportion of dangerous failures</li> <li>with low demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> <li>Failure rate [FIT]</li> </ul>	Safety related data	
Proportion of dangerous failures  • with low demand rate acc. to SN 31920  • with high demand rate acc. to SN 31920  Failure rate [FIT]	B10 value	
<ul> <li>with low demand rate acc. to SN 31920</li> <li>with high demand rate acc. to SN 31920</li> <li>Failure rate [FIT]</li> </ul>	<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	100 000
• with high demand rate acc. to SN 31920 20 %  Failure rate [FIT]	Proportion of dangerous failures	
Failure rate [FIT]	• with low demand rate acc. to SN 31920	20 %
	<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	20 %
• with low demand rate acc. to SN 31920 100 FIT	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

Ambie		

-25 ... +70 °C during operation

-40 ... +80 °C • during storage

Environmental category during operation acc. to IEC 60721

3K6

### Installation/ mounting/ dimensions

<b>1.</b> 4. 4.	
Mounting type	
<ul> <li>of contact blocks, socket, and accessories</li> </ul>	Floor mounting
Height	85 mm
Width	85 mm
Depth	64 mm
Shape of the installation opening	round
Mounting diameter	22 mm

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ww	40	SO	JIII I	- Toll

Accessories	
Number of labels	0
Number of backing plates	0
Product component holder for 3 switching elements	No

**General Product Approval** 

**Declaration of** Conformity

**Test** Certificates Marine / Shipping







**Special Test** Certificate





LRS

## Marine / **Shipping**

other

Confirmation

Environmental Confirmations



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

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

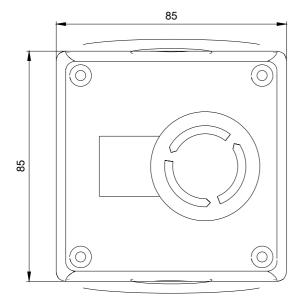
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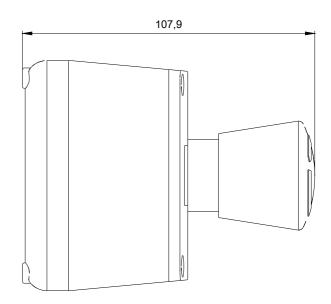
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Cax online generator

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