



## Control Unit Ex e, GRP, 3 Functions

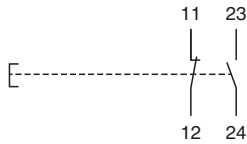
### LCP3.PGMX.PRMX.ERMX.B.1

- Pushbutton green - 1x NO / 1x NC - labeling 'I'
- Pushbutton red - 1x NO / 1x NC - labeling '0'
- Emergency stop mushroom button, red - 1x NO / 1x NC - labeling 'EMERGENCY STOP / NOT HALT'
- Ex de and Ex tb certified
- Top face stopping plug polyamide, 1x M20; bottom face cable gland polyamide, 1x M20
- Glass fiber reinforced polyester (GRP) enclosure
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Degree of protection IP66

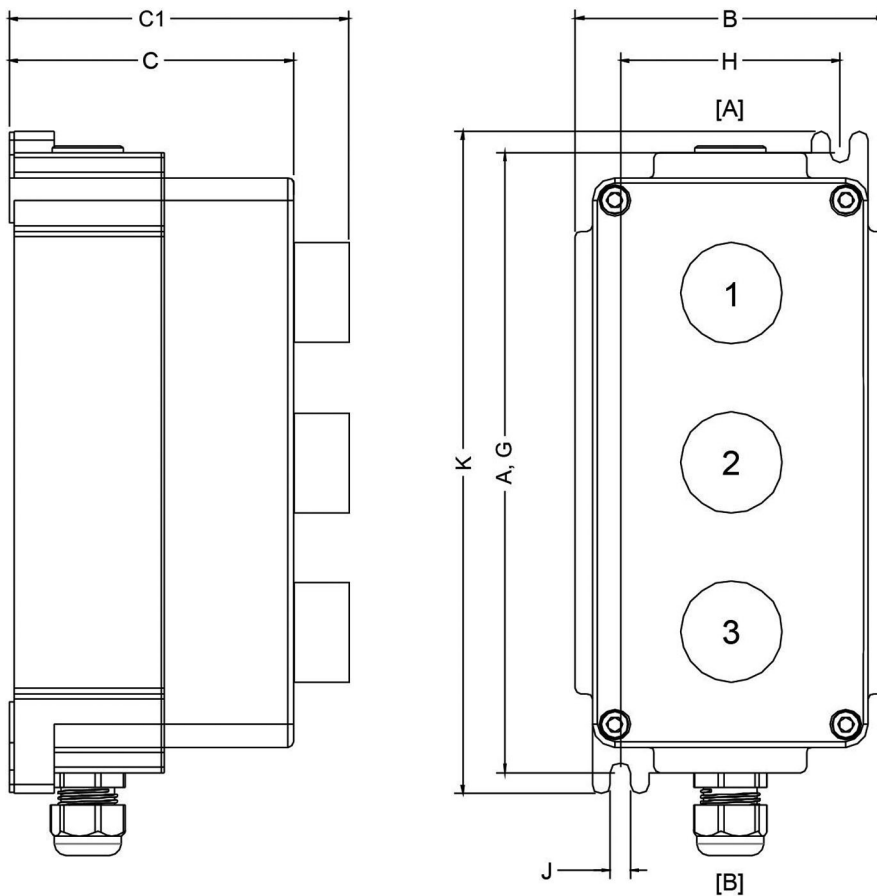


## Wiring Diagram

	11	23
0	X	
I		X
	12	24



## Dimensions



Dimension values see data table.

Image and drawing are generic for this device type and may deviate from the specific variant.

Legend	
A	Height
B	Width
C	Depth
C1	Depth with operating element
G	Mounting holes distance, vertical
H	Mounting holes distance, horizontal
J	Mounting holes diameter
K	Maximum external dimension with mounting brackets
[A] ... [B]	Cable entry faces

## Technical Data

### Electrical specifications

Operating voltage	250 V max.
Operating current	16 A max.
Terminal capacity	2.5 mm <sup>2</sup>
Function	pushbutton
Color	green
Contact configuration	1x NO / 1x NC all NC contacts have a direct opening action for emergency stop functions

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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## Technical Data

Usage category	AC12 - 12 ... 250 V AC - 16 A AC15 - 12 ... 250 V AC - 10 A DC13 - 12 ... 110 V DC - 1 A DC13 - 12 ... 24 V DC - 1A
Number of poles	2
Labeling	I
Function 2	pushbutton
Color	red
Contact configuration	1x NO / 1x NC all NC contacts have a direct opening action for emergency stop functions
Usage category	AC12 - 12 ... 250 V AC - 16 A AC15 - 12 ... 250 V AC - 10 A DC13 - 12 ... 110 V DC - 1 A DC13 - 12 ... 24 V DC - 1A
Number of poles	2
Labeling	O
Function 3	mushroom button
Color	red
Contact configuration	1x NO / 1x NC all NC contacts have a direct opening action for emergency stop functions
Usage category	AC12 - 12 ... 250 V AC - 16 A AC15 - 12 ... 250 V AC - 10 A DC13 - 12 ... 110 V DC - 1 A DC13 - 12 ... 24 V DC - 1A
Number of poles	2
Operator action	latching , pull to release
Labeling	EMERGENCY STOP / NOT HALT
<b>Mechanical specifications</b>	
Enclosure range	LCP
Enclosure cover	fully detachable
Cover fixing	stainless steel socket cap head screws
Screws	M6
Number	4
Tightening torque	2 Nm
Degree of protection	IP66
Cable entry face A	
M20 quantity	1
M20 series	Stopping Plugs, Plastic
M20 type	SP.PE.M20.*
Cable entry face B	
M20 quantity	1
M20 series	Cable Glands, Plastic
M20 type	CG.PEDS.M20.*
M20 clamping range	6 ... 12 mm
Defined entry area	face A and face B
Material	
Enclosure	carbon loaded, antistatic glass fiber reinforced polyester (GRP)
Finish	inherent color black
Seal	one piece closed cell silicone
Mass	3.5 kg
Dimensions	
Height (A)	220 mm
Width (B)	110 mm
Depth (C)	101 mm
External dimension with operating element (C1)	142 mm
Mounting holes distance (G)	220 mm

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## Technical Data

Mounting holes distance (H)	78 mm
Mounting holes diameter (J)	7 mm
Maximum external dimension (K)	235 mm
<b>Tightening torque</b>	
Nut torque at enclosure (SW1)	see datasheets of cable glands
Grounding	2.5 mm <sup>2</sup> grounding terminal
<b>Ambient conditions</b>	
Ambient temperature	-40 ... 55 °C (-40 ... 131 °F) @ T4 -40 ... 40 °C (-40 ... 104 °F) @ T6
<b>Data for application in connection with hazardous areas</b>	
EU-type examination certificate	CML 16 ATEX 3009X
Marking	Ⓔ II 2 GD Ex db eb mb IIC T* Gb Ex tb IIIC T** °C Db T6/T80 °C @ Ta +40 °C T4/T130 °C @ Ta +55 °C
<b>International approvals</b>	
IECEx approval	IECEx CML 16.0008X
EAC approval	RU C-DE.BH02.B.00016/18
IA approval	MASC S/18-0003X
CCC approval	2020322304002545
<b>Conformity</b>	
Degree of protection	EN 60529
Usage category	IEC / EN 60947
CE marking	0080 or 0102, see type label
<b>General information</b>	
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .
<b>Accessories</b>	
Optional accessories	engraved traffolyte tag label engraved AISI 316L stainless steel tag label color in-fill stainless steel tag label