



Control Unit Ex e, Stainless Steel, 4 Functions

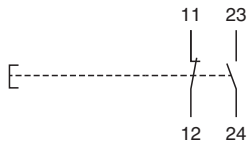
LCS4.LRLX.PGMX.PRMX.ERMX.B.1

- LED indicator, red
- 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'
- Top face stopping plug polyamide, 1x M20; bottom face cable gland polyamide, 1x M20
- Ex de and Ex tb certified
- Stainless Steel enclosure
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Degree of protection IP66

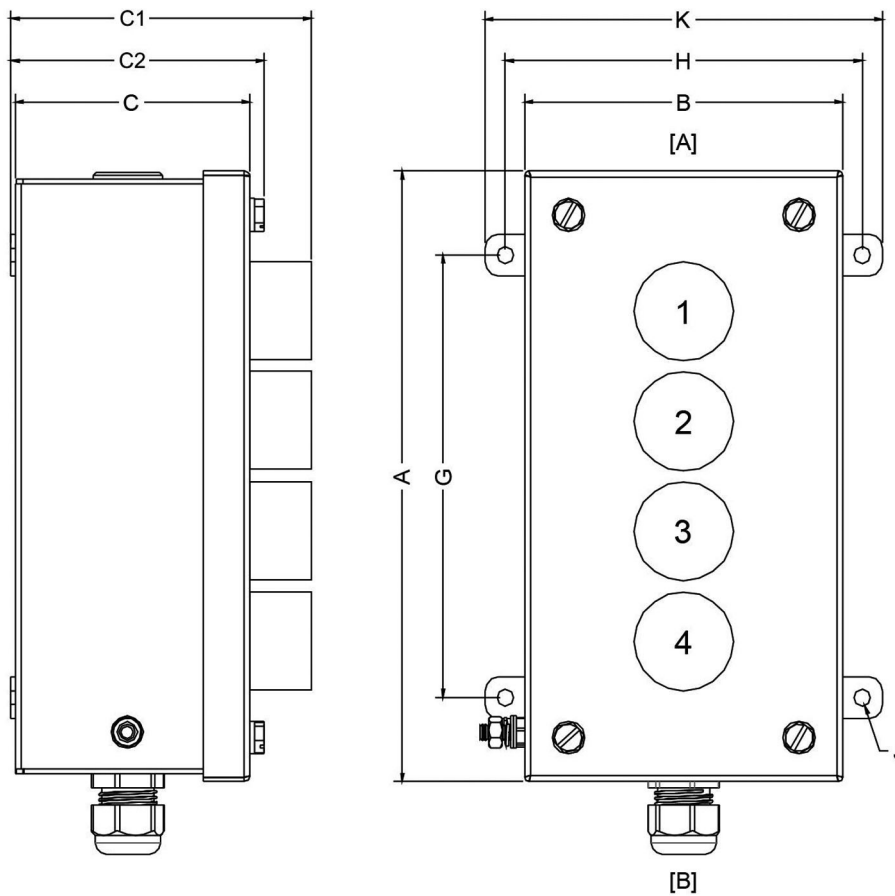


Wiring Diagram

	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
C2	Depth with screws
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 ²
Terminal torque	0.8 Nm
Function	LED indicator
Color	red

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

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Technical Data

Rated operating voltage	20 ... 250 V AC
Function 2	pushbutton
Color	green
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	spring return
Labeling	I
Function 3	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
Operator action	spring return
Labeling	O
Function 4	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
Mechanical specifications	
Enclosure range	LCS
Enclosure cover	fully detachable
Cover fixing	stainless steel hexagonal 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	1.5 mm AISI 316L, (1.4404) stainless steel
Finish	electropolished
Seal	one piece closed cell silicone
Mass	1.5 kg

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Technical Data

Dimensions	
Height (A)	220 mm
Width (B)	116 mm
Depth (C)	85.5 mm
External dimension with operating element (C1)	126 mm
External dimension with screws (C2)	92.2 mm
Mounting holes distance (G)	161 mm
Mounting holes distance (H)	130 mm
Mounting holes diameter (J)	6.1 mm
Maximum external dimension (K)	145 mm
Tightening torque	
Nut torque at enclosure (SW1)	see datasheets of cable glands
Grounding	M6 internal/external brass grounding bolt
Ambient conditions	
Ambient temperature	-40 ... 55 °C (-40 ... 131 °F) @ T4 -40 ... 40 °C (-40 ... 104 °F) @ T6
Data for application in connection with hazardous areas	
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
International approvals	
IECEx approval	IECEx CML 16.0008X
EAC approval	RU C-DE.BH02.B.00016/18
IA approval	MASC S/18-0003X
CCC approval	2020322304002545
Conformity	
Degree of protection	EN 60529
Usage category	IEC / EN 60947
CE marking	0080 or 0102, see type label
General information	
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 www.pepperl-fuchs.com .
Accessories	
Optional accessories	engraved traffolyte tag label engraved AISI 316L stainless steel tag label color in-fill stainless steel tag label M6 internal/external stainless steel grounding bolt

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