

# Control Unit Ex e, Stainless Steel, Emergency Stop

## LRS1.B.E4MZPR.B.1

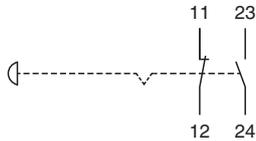


- Emergency stop mushroom button 40 mm, red, twist-to-release - 1x NO / 1x NC
- Stainless Steel AISI 316L
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Degree of protection IP66
- Ex db eb and Ex tb certified
- Emergency stop shroud with padlock
- Bottom face cable gland polyamide, 1x M20

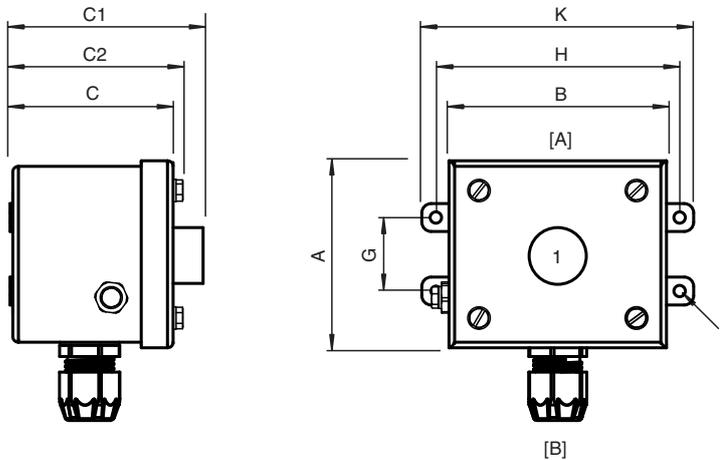


### Connection

	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.

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

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## Technical Data

<b>Electrical specifications</b>	
Operating voltage	250 V max.
Operating current	13 A max.
Terminal capacity	2.5 mm <sup>2</sup>
Terminal torque	0.8 Nm
Function	mushroom button
Color	red
Shroud	plastic
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 - 13 A AC15 - 12 ... 250 V AC - 10 A DC13 - 12 ... 110 V DC - 1 A
Number of poles	2
Operator action	latching , twist to release
Labeling	none as standard
<b>Mechanical specifications</b>	
Enclosure range	SR
Enclosure cover	fully detachable
Cover fixing	stainless steel A4 (V4A) hexagonal head screws
Screws	M6
Number	4
Tightening torque	3 Nm - 3.5 Nm
Degree of protection	IP66
Cable entry	thru-holes direct through body
Cable entry face B	
M20 quantity	1
M20 series	Cable Glands, Plastic
M20 type	CG.PEDS1.M20.*
M20 clamping range	6 ... 12 mm
Defined entry area	face B
Material	
Enclosure	1.5 mm AISI 316L, (1.4404) stainless steel
Finish	brushed
Seal	one piece closed cell silicone
Mass	approx. 0.7 kg
Dimensions	
External dimension (A)	102 mm
External dimension (B)	116 mm
External dimension (C)	87 mm
External dimension with operating element (C1)	132 mm
External dimension with screws (C2)	92 mm
Mounting holes distance (G)	41 mm
Mounting holes distance (H)	130 mm
Mounting holes diameter (J)	6.1 mm
Thickness of mounting brackets (N)	1.5 mm
Maximum external dimension (K)	145 mm
Tightening torque	
Nut torque at enclosure (SW1)	see datasheets of cable glands
Mounting	4 screws
Grounding	M6 internal/external brass nickel-plated grounding bolt
<b>Ambient conditions</b>	

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## Technical Data

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 IIC T* Gb Ex tb IIIC T** °C Db T4/T130 °C @ Ta +55 °C ( T6/T80 °C @ Ta +40 °C on request )
<b>International approvals</b>	
IECEx approval	IECEx CML 16.0008X
UKCA approval	CML 22 UKEX 2550X
Further approvals	further on request
<b>Conformity</b>	
Degree of protection	EN60529
Usage category	IEC / EN 60947
CE marking	0080 or 0102, see type label
<b>General information</b>	
Ordering information	This device will be delivered completely configured and assembled ready for use. For configuration details please contact Customer Service.
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 M6 internal/external stainless steel grounding bolt