

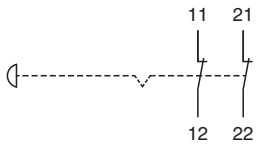
Control Unit Ex e, Stainless Steel, Emergency Stop

LRS1.B.E4CX.B.1

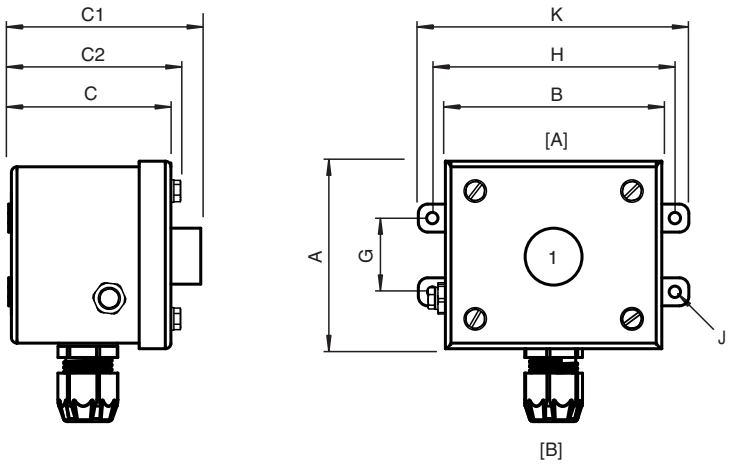
- Emergency stop mushroom button 40 mm, red, twist-to-release - 2x NC
- Stainless Steel AISI 316L
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Degree of protection IP66
- Ex db eb and Ex tb certified
- Bottom face cable gland polyamide, 1x M20
- Wide range of accessories available

Connection

	11	23
0	X	X
I		
	12	24



Dimensions



Dimension values see data table.
Image and drawing are generic for this device type and may deviate from the specific variant.

Release date: 2023-04-17 Date of issue: 2023-04-17 Filename: 70142238_eng.pdf

Technical Data

Electrical specifications	
Operating voltage	250 V max.
Operating current	13 A max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
Function	mushroom button
Color	red
Contact configuration	2x 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
Mechanical specifications	
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)	129 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
Ambient conditions	
Ambient temperature	-40 ... 55 °C (-40 ... 131 °F) @ T4 -40 ... 40 °C (-40 ... 104 °F) @ T6

Release date: 2023-04-17 Date of issue: 2023-04-17 Filename: 70142238_eng.pdf

Technical Data

Data for application in connection with hazardous areas		
EU-type examination certificate		CML 16 ATEX 3009X
Marking		⟨Ex⟩ 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)
International approvals		
IECEx approval		IECEx CML 16.0008X
UKCA approval		CML 22 UKEX 2550X
Further approvals		further on request
Conformity		
Degree of protection		EN60529
Usage category		IEC / EN 60947
CE marking		0080 or 0102, see type label
General information		
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 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

Release date: 2023-04-17 Date of issue: 2023-04-17 Filename: 70142238_eng.pdf