

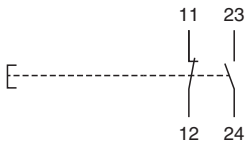
Control Unit Ex e, Polyamide, 4 Functions

LRP5L.D.LRLX.PGMX.PRMX.E4MX.F1

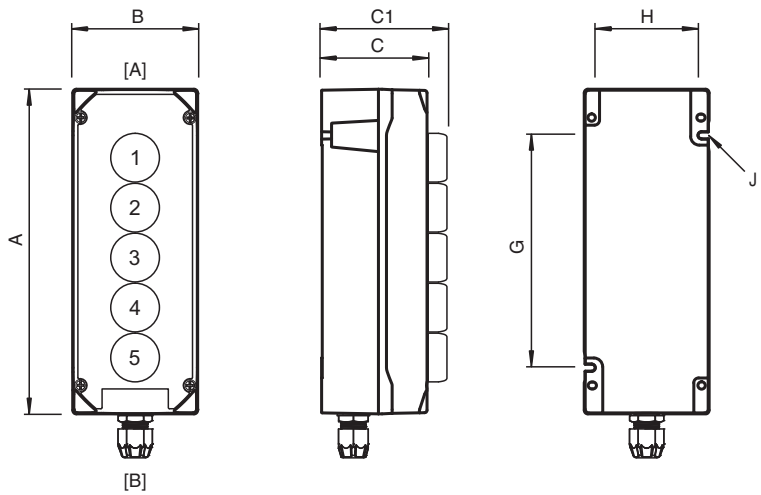
- LED indicator, red
- Pushbutton green - 1x NO / 1x NC - labeling 'I'
- Pushbutton red - 1x NO / 1x NC - labeling '0'
- Emergency stop mushroom button 40 mm, red, twist-to-release - 1x NO / 1x NC
- Polyamide (PA) enclosure
- Ex db eb and Ex tb certified
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Degree of protection IP66
- Top face stopping plug polyamide, 1x M25; bottom face cable gland polyamide, 1x M25

Connection

	11	23
0	X	
I		X
	12	24



Dimensions



Release date: 2023-09-21 Date of issue: 2023-09-21 Filename: 70160124_eng.pdf

Dimensions

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

Technical Data

Electrical specifications	
Operating voltage	250 V max.
Operating current	6 A max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
Function	LED
Color	red
Rated operating voltage	30 ... 250 V AC / 20 ... 24 V DC
Note	
Function 2	push button
Color	green
Contact configuration	1x NO / 1x NC
Usage category	AC12 - 12 … 250 V AC - 6 A AC15 - 12 … 250 V AC - 6 A DC13 - 12 … 110 V DC - 1 A
Number of poles	2
Operator action	spring return
Labeling	I
Note	spare pushbutton inserts included: red 'STOP', red 'OFF', green 'START', green 'ON', black 'I", black 'II', 2x black 'arrow up'
Function 3	push button
Color	red
Contact configuration	1x NO / 1x NC
Usage category	AC12 - 12 … 250 V AC - 6 A AC15 - 12 … 250 V AC - 6 A DC13 - 12 … 110 V DC - 1 A
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 - 6 A AC15 - 12 … 250 V AC - 6 A DC13 - 12 … 110 V DC - 1 A
Number of poles	2
Operator action	latching , twist to release
Mechanical specifications	
Enclosure range	LRP
Enclosure cover	fully detachable
Cover fixing	
Screws	M4 stainless steel combination Phillips and slotted screw
Number	4
Tightening torque	1.5 Nm
Degree of protection	IP66
Cable entry	thru-holes
Cable entry face A	
M25 quantity	1
M25 series	Stopping Plug
M25 type	SP.PE.M25.*

Release date: 2023-09-21 Date of issue: 2023-09-21 Filename: 70160124_eng.pdf

Technical Data

Cable entry face B		
M25 quantity		1
M25 series		Cable Glands, Plastic
M25 type		CG.PEDS1.M25.*
M25 clamping range		9 ... 17 mm
Defined entry area		face A and face B
Material		
Enclosure		Polyamide (PA)
Finish		inherent color black
Seal		one piece closed cell silicone
Mass		approx. 1.2 kg
Dimensions		
External dimension (A)		260 mm
External dimension (B)		100 mm
External dimension (C)		85 mm
External dimension with operating element (C1)		125.4 mm
Mounting holes distance (G)		186 mm
Mounting holes distance (H)		88 mm
Mounting holes diameter (J)		5.6 mm
Tightening torque		
Nut torque at enclosure (SW1)		see datasheets of cable glands
Mounting		2 screws
Grounding		2x 2.5mm² grounding terminal
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		Ⓔx 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

Release date: 2023-09-21 Date of issue: 2023-09-21 Filename: 70160124_eng.pdf