Control Units Ex e, Stainless Steel

LRS*.*

- Stainless Steel enclosure
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Ex db eb, Ex ib and Ex tb certified
- Up to 4 operators per enclosure
- Customizable configuration of operators, contact modules and cable entries as per specification
- Wide range of labels and accessories available
- 4 enclosure size options
- Degree of protection IP66
- Installation in portrait, landscape on request

Control Units Ex e, Stainless Steel

Function

The versatile control units of the LRS series are available pre-configured off-the-shelf or flexibly customized with a great variety of operating elements, cable glands and accessories.
The comprehensive range of control functions allow the configuration of each control unit to exactly meet any application requirements and ensure optimal space efficiency.
The enclosures are manufactured from brushed AISI 316L stainless steel to provide excellent tarnish and corrosion resistance.
Durable materials and components of high quality, such as stainless steel A4 (V4A) fixings allow the control units to be used in harsh ambient conditions.

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		see data table
Mechanical specifications		
Enclosure range		SR
Enclosure cover		fully detachable
Cover fixing		Stainless steel A4 (V4A) combination pozi driv and slotted screw
Screws		M6
Number		4
Tightening torque		3 Nm - 3.5 Nm
Degree of protection		IP66
Cable entry		cable glands as per specification
Number of cable entries		see data table
Defined entry area		face A and face B
Material		
Enclosure		1.5 mm AISI 316L, (1.4404) stainless steel
Finish		brushed
Seal		one piece closed cell silicone
Mass		see data table
Dimensions		see data table
Tightening torque		
Nut torque at enclosure (SW1)		see datasheets of cable glands
Mounting		see data table
Grounding		M6 internal/external brass nickel-plated grounding bolt

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Technical Data

Ambient conditions		
Ambient temperature		-40 ... 55 °C (-40 ... 131 °F) -50 °C (-58 °F) on request
Data for application in connection with hazardous areas		
EU-type examination certificate		CML 16 ATEX 3009X
Marking		⟨Ex⟩ II 2 GD Ex db eb ib mb 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
ECAS approval		25-12-177084/E25-12-184562/NB0002
IA approval		MASC S/22-8362X
CCC approval		2020322304002545
Conformity		
Degree of protection		EN 60529
Usage category		IEC / EN 60947
CE marking		2829
General information		
Ordering information		For standard configured units please see pdf datasheet. 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
Indicators/operating means		
Control elements		small footprint max. 4 see data table all NC contacts have a direct opening action for emergency stop functions

Type Code

1	2	3		4		5		6		7		8		9		10
LR	*	*	.	*	.	****	.	****	.	****	.	****	.	*	.	*
LR	S	2	.	D	.	PGMX	.	E4MX	.		.		.	B	.	1

Example: LRS2.D.PGMX.E4MX.B.1
Control Unit, stainless steel enclosure for two control functions, portrait orientation. Upper function: pushbutton green, base-mounted contact block with 1x NO / 1x NC contacts. Lower function: twist-to-release mushroom button, red, base-mounted contact block with 1x NO / 1x NC contacts. Cable entry configuration: bottom face cable gland M20 polyamide. Type of protection Ex db eb and Ex tb.

1	Series
LR	control unit

2	Material
S	stainless steel AISI 316L, brushed finish

3	Enclosure variant
1 ... 4	enclosure size, see dimensions data table

4	Enclosure orientation
B	landscape
D	portrait

5	Function 1
xxxx	see operating elements type code

6	Function 2
xxxx	see operating elements type code

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Type Code

7	Function 3
xxxx	see operating elements type code

8	Function 4
xxxx	see operating elements type code

9	Entry configuration / cable glands
A ... I	standard entry configurations, see cable entries table
X	no entries
Z	customized entries

10	Type of explosion protection
1	Ex db eb, Ex tb
3	Ex ib, Ex tb
5	mixed protection, e.g.: Ex db ib tb

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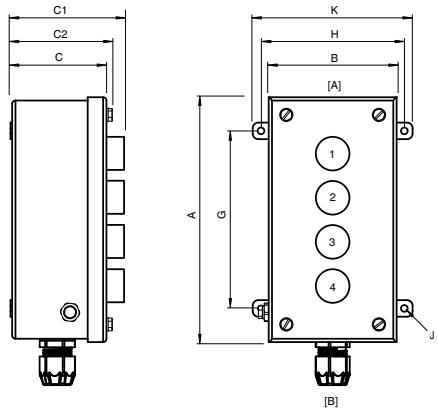
Dimensions and Enclosure Details



Enclosure type	Operating elements size and quantity	External dimensions [mm]						Mounting [mm]			Mass approx. [kg]
		A	B	C	C1	C2	K	G	H	J	
LRS1.*	1x small / 1x large	102	116	87	137	92	145	41	130	6.1	0.7
LRS2.*	2x small	142	116	87	137	92	145	81	130	6.1	1
LRS2.4P.*	1x small / 1x large (4-pole)	142	116	87	137	92	145	81	130	6.1	1
LRS3.*	3x small	182	116	87	137	92	145	121	130	6.1	1.3
LRS4.*	4x small / 2x large	222	116	87	137	92	145	161	130	6.1	1.5

Dimension C1 is maximum, it will differ according to operating elements configuration

Cable Entries Quantity per Size

Type Code	Cable entries Face A			Cable entries Face B					
	M20 qty.	M20 type	M20 clamping range	M20 qty.	M20 type	M20 clamping range	M25 qty.	M25 type	M25 clamping range
.B.	-	-	-	1	CG.PEDS1.M20.*	6 ... 12 mm	-	-	-
.C.	-	-	-	-	-	-	1	CG.PEDS.M25.*	10 ... 18 mm
.E.	1	SP.PE.M20.*	-	1	CG.PEDS1.M20.*	6 ... 12 mm	-	-	-

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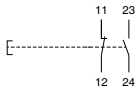
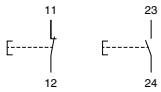
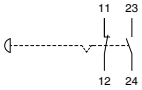
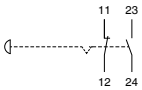
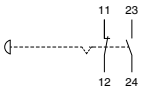
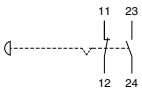
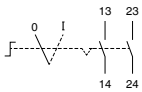
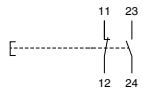
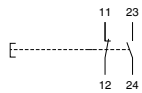
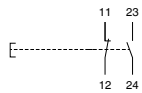
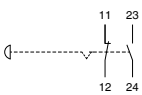
Standard Variants

Type	Function	Color	Labeling	Operator action	Number of poles	Contact configu-ration	Switching configu-ration	Electrical specifi-cation	Switching diagram	Image example
LRS1.B. PGMX.*	pushbutton	green (4)	I	spring return	2	1x NO / 1x NC	-	(1)		
LRS1.B. DMMX.*	double pushbutton	red / green (5)	0 - I	spring return	2	1x NO / 1x NC	-	(1)		
LRS1.B. E4MX.*	mushroom button 40 mm	red	-	latching, twist to release	2	1x NO / 1x NC	-	(1)		
LRS1.B. E4MZAR.*	mushroom button, with plastic lid	red	-	latching, twist to release	2	1x NO / 1x NC	-	(1)		
LRS1.B. E4MZPR.*	mushroom button, with plastic shroud, padlockable	red	-	latching, twist to release	2	1x NO / 1x NC	-	(1)		
LRS1.B. JRMX.*	mushroom button, lockable	red	-	latching, key release	2	1x NO / 1x NC	-	(1)		
LRS1.B. S1OX.*	control switch, large, with shroud, padlockable in '0'	black	0 - I	engage - engage	2	2x NO	2 position changeover with left OFF	(1)		
LRS2.D. PGMX. PRMX.*	pushbutton	green (4)	I	spring return	2	1x NO / 1x NC	-	(1)		
	pushbutton	red (4)	0	spring return	2	1x NO / 1x NC	-	(1)		
LRS2.D. PGMX. E4MX.*	pushbutton	green (4)	I	spring return	2	1x NO / 1x NC	-	(1)		
	mushroom button	red	-	latching, twist to release	2	1x NO / 1x NC	-	(1)		

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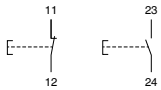
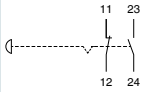
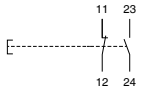
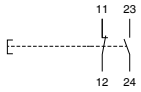
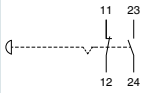
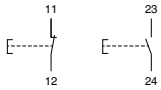
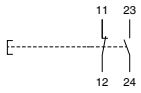
Standard Variants

Type	Function	Color	Labeling	Operator action	Number of poles	Contact configu-ration	Switching configu-ration	Electrical specifi-cation	Switching diagram	Image example
LRS2.D. DMMX. E4MX.*	double pushbutton	red / green (5)	I	spring return	2	1x NO / 1x NC	-	(1)		
	mushroom button	red	-	latching, twist to release	2	1x NO / 1x NC	-	(1)		
LRS3.D. PGMX. PRMX. E4MX.*	pushbutton	green (5)	I	spring return	2	1x NO / 1x NC	-	(1)		
	pushbutton	red (5)	0	spring return	2	1x NO / 1x NC	-	(1)		
	mushroom button	red	-	latching, twist to release	2	1x NO / 1x NC	-	(1)		
LRS3.D. LRLX. DMMX. E4MX.*	LED indicator	red	-	-	-	-	-	(3)		
	double pushbutton	red / green (5)	0 - I	spring return	2	1x NO / 1x NC	-	(2)		
	mushroom button	red	-	latching, twist to release	2	1x NO / 1x NC	-	(2)		

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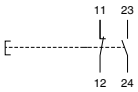
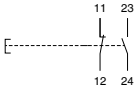
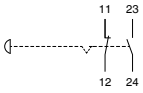
Type	Function	Color	Labeling	Operator action	Number of poles	Contact configu-ration	Switching configu-ration	Electrical specifi-cation	Switching diagram	Image example
LRS4.D. LRLX. PGMX. PRMX. E4MX.*	LED indicator	red	-	-	-	-	-	(3)		
	pushbutton	green (4)	I	spring return	2	1x NO / 1x NC	-	(2)		
	pushbutton	red	O	spring return	2	1x NO / 1x NC	-	(2)		
	mushroom button	red	-	latching, twist to release	2	1x NO / 1x NC	-	(2)		

Electrical Specifications and Labeling

Reference in standard variants	Usage category	Rated operating voltage	Rated operating current
(1)	AC12 - 12 ... 250 V AC - 13 A AC15 - 12 ... 250 V AC - 10 A DC13 - 12 ... 110 V DC - 1 A	-	-
(2)	AC12 - 12 ... 250 V AC - 6 A AC15 - 12 ... 250 V AC - 6 A DC13 - 12 ... 110 V DC - 1 A	-	-
(3)	-	30 ... 250 V AC 20 ... 24 V DC	-
	Labeling		
(4)	spare pushbutton inserts included: red '0', red 'STOP', red 'OFF', green 'I', green 'START', green 'ON'		
(5)	spare pushbutton inserts included: red '0', green 'I', black '0', black 'I', black 'II', black 'arrow up', black 'arrow down'		

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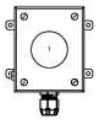
Configurations - Types of Operating Elements see Overleaf

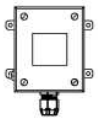
Configurations with 1 function

LRS1.*
maximum configuration (1)

LRS1.*
large operator 2 pole (2)

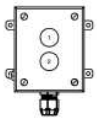


LRS2.4P.*
large operator 4 pole (3)

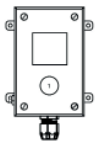


LRS2.*
window (4)

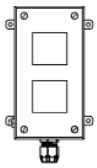
Configurations with 2 functions



LRS2.*
maximum configuration (1)

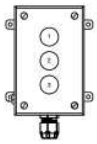


LRS3.*
window + 1 small operator (4)

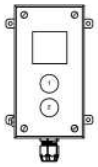


LRS4.*
2 windows (4)

Configurations with 3 functions

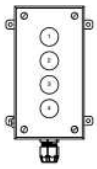


LRS3.*
maximum configuration (1)



LRS4.*
window + 2 small operators (4)

Configurations with 4 functions



LRS4.*
maximum configuration (1)

(1) Small operators with 2 pole contact blocks
Small operators include all pushbuttons, small switching actuators, LED indicators and potentiometers
(2) Large switching actuators and all operators fitted with 2 pole contact modules, protective lid or padlockable shroud
(3) Small and large switching actuators and all operators fitted with 4 pole contact modules, protective lid or padlockable shroud
(4) Viewing windows with ammeter or voltmeter in combination with operating elements

Note: the use of label holders depends on operator configuration
All NC contacts have a direct opening action for emergency stop functions
For further configurations please contact Pepperl+Fuchs

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Pushbuttons and Emergency Stops

Pushbuttons Actuator Heads

Type	Color	Labeling	Image
CFP.PA	red	none	
CFP.PR	red	0	
CFP.PC	red	STOP	
CFP.PD	red	OFF	
CFP.PE	green	none	
CFP.PG	green	I	
CFP.PI	green	II	
CFP.PF	green	START	
CFP.PH	green	ON	
CFP.PY	yellow	none	
CFP.PO	amber	none	
CFP.PW	white	none	
CFP.PB	blue	none	
CFP.PJ	blue	RESET	
CFP.PK	black	none	
CFP.PL	black	0	
CFP.PN	black	I	
CFP.PP	black	II	
CFP.PQ	black	III	
CFP.PT	black	IV	
CFP.PU	black	arrow up	
CFP.PV	black	arrow down	
CFP.PZ*	see individual datasheets		

Actuator Heads - Technical Data

Mechanical specifications	
Dimensions	see data table
Mounting	use with base-mounted and lid-mounted contact modules
Degree of protection	IP66
Mass	see data table
Material	
Housing	Polyamide (PA)
Finish	inherent color black
Washer gasket	silicone
Ambient conditions	
Ambient temperature	-40 ... 55 °C (-40 ... 131 °F)
Service temperature	-40 ... 65 °C (-40 ... 149 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 GD Ex e IIC Gb Ex tb IIIC Db
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
CE marking	2829
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.
Enclosure type	LC*, LR* FXL*.CS, SR.CS* GR.CS*

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Pushbuttons and Emergency Stops

Emergency Stops Actuator Heads

Type	Function	Color	Labeling	Operator action	Actuator head diameter	Switching diagram	Image
CFP.E4	mushroom button	red	none	latching, twist to release	40 mm		
CFP.E5	mushroom button	red	none	latching, twist to release	55 mm		
CFP.JR	mushroom button	red	none	latching, key release	39 mm		

Other Pushbuttons Actuator Heads

Type	Function	Color	Labeling	Operator action	Actuator head diameter	Switching diagram	Image
CFP.D*	pushbutton	red / green	0 - I	spring return	70 mm x 39 mm		
CFP.MK	mushroom button	black	none	spring return	39 mm		
CFP.MR	mushroom button	red	none	spring return	39 mm		
CFP.MG	mushroom button	green	none	spring return	39 mm		

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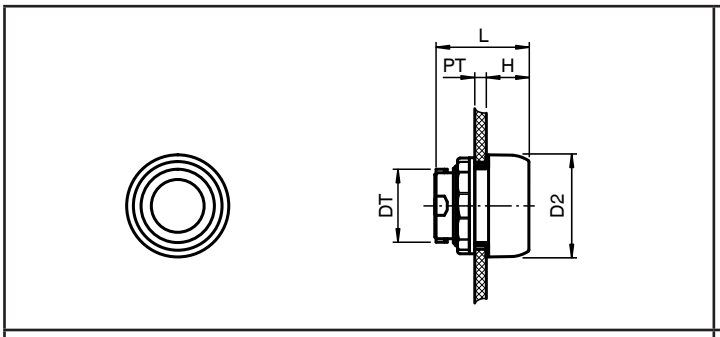
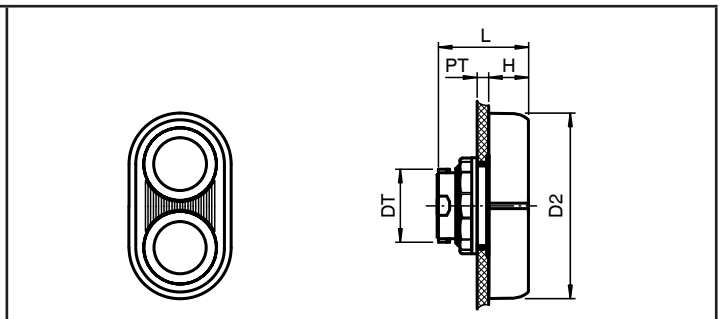
Pushbuttons and Emergency Stops

Pushbuttons and Emergency Stops - Dimensions

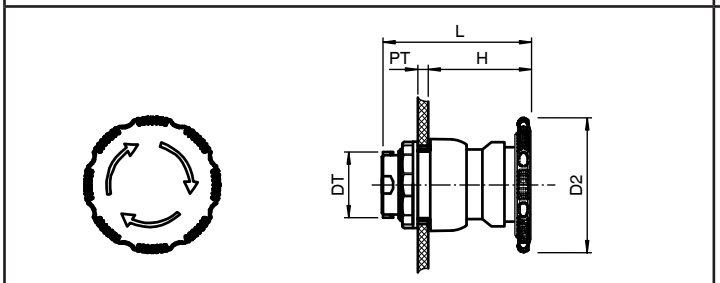
Type	Function	Actuator head diameter [mm]	Panel wall thickness [mm]	Diameter thru-hole [mm]	Length outside enclosure [mm]	Total length [mm]	Mass [g]
		D2	PT	DT	H	L	
CFP.P*	pushbutton	39	1 ... 6	30.6	15.5	35.4	25
CFP.D*	double pushbutton	70 x 39	1 ... 6	30.6	15.5	35.4	38
CFP.E4	emergency stop	40	1 ... 6	30.6	41.8	62.1	52
CFP.E5	emergency stop	55	1 ... 6	30.6	41.8	62.1	58
CFP.JR	key release mushroom button	39	1 ... 6	30.6	49.5	70	65
CFP.M*	mushroom button	37	1 ... 6	30.6	41.2	60.7	46



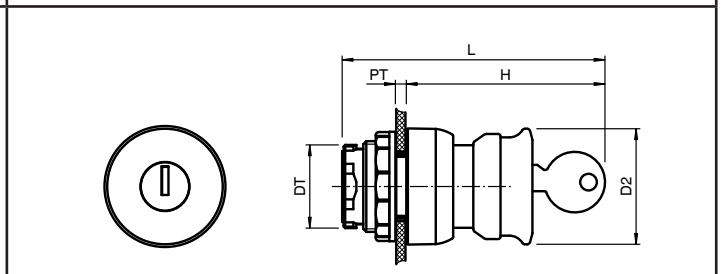
CFP.P*



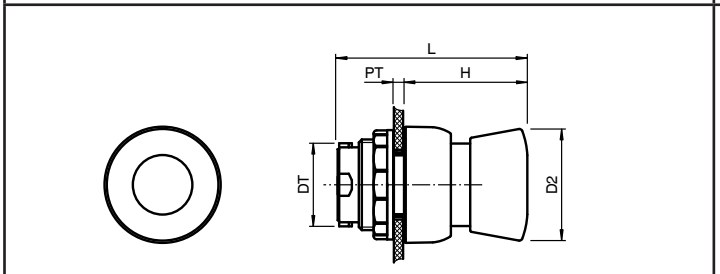
CFP.D*



CFP.E*



CFP.J*



CFP.M*

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Pushbuttons and Emergency Stops

Contact Blocks

Type	Mounting	Number of poles	Contact configuration	Switching diagram see overview	Image
CFP.M	base-mounted	2	1x NO / 1x NC		
CFP.C	base-mounted	2	2x NC		
CFP.O	base-mounted	2	2x NO		

Contact Blocks - Technical Data

Electrical specifications	
Operating voltage	250 V max.
Operating current	16 A max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
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 - 1 A
Mechanical specifications	
Mechanical life	1000000 switching operations
Degree of protection	IP20
Material	
Housing	Polyamide (PA)
Ambient conditions	
Service temperature	-40 ... 90 °C (-40 ... 194 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 G Ex de IIC Gb

Contact Blocks - Technical Data continued

International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
Usage category	IEC / EN 60947
CE marking	2829
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.

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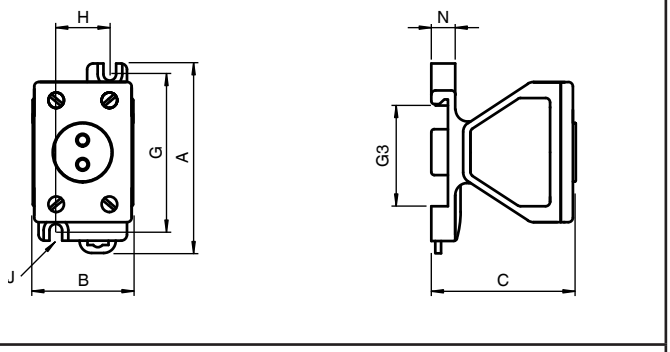
Pushbuttons and Emergency Stops

Contact Blocks - Dimensions

Mounting	External dimension [mm]			Mounting holes [mm]			Mounting brackets [mm]	DIN mounting rail receptacle [mm]	Mass [g]	Enclosure type
	A	B	C	G	H	Diam. J	N	G3		
base-mounted	63	33.4	50	52	18	4.2	8	35.6	68	LC*, LR* GR.CS* SR.CS*



base-mounted

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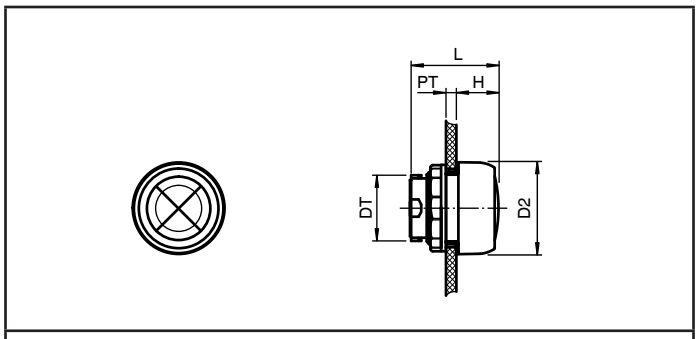
Illuminated Pushbuttons

Illuminated Pushbuttons Actuator Heads

Type	Lens color	Operator action	Switching diagram	Image
CFP.IR	red	spring return		
CFP.IG	green	spring return		
CFP.IO	amber	spring return		
CFP.IW	white	spring return		
CFP.IB	blue	spring return		



CFP.I*

Actuator Heads - Technical Data

Mechanical specifications	
Degree of protection	IP66
Material	
Housing	Polyamide (PA)
Finish	inherent color black
Washer gasket	silicone
Ambient conditions	
Ambient temperature	-40 ... 55 °C (-40 ... 131 °F)
Service temperature	-40 ... 65 °C (-40 ... 149 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 GD Ex e IIC Gb Ex tb IIIC Db
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
CE marking	2829
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.

Illuminated Pushbuttons Actuator Heads - Dimensions

Actuator head diameter [mm]	Panel wall thickness [mm]	Diameter thru-hole [mm]	Length outside enclosure [mm]	Total length [mm]	Mass [g]	Mounting	Enclosure type
D2	PT	DT	H	L			
39	1 ... 6	30.6	17.5	36.8	21	use with base-mounted and cover-mounted contact modules	LC*, LR* FXL*.CS GR.CS* SR.CS*

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Illuminated Pushbuttons

LED Contact Modules

Type	Mounting	Operating voltage [V]	Number of poles	Contact configuration	Switching diagram	Image
CFP.IL	base-mounted	10 ... 30 V AC/DC	1	1x NO		
CFP.I	base-mounted	20 ... 250 V AC	1	1x NO		
CFP.II	base-mounted	10 ... 30 V AC/DC Ex ia	1	1x NO		
CFP.JL	base-mounted	10 ... 30 V AC/DC	1	1x NC		
CFP.J	base-mounted	20 ... 250 V AC	1	1x NC		
CFP.JI	base-mounted	10 ... 30 V AC/DC Ex ia	1	1x NC		

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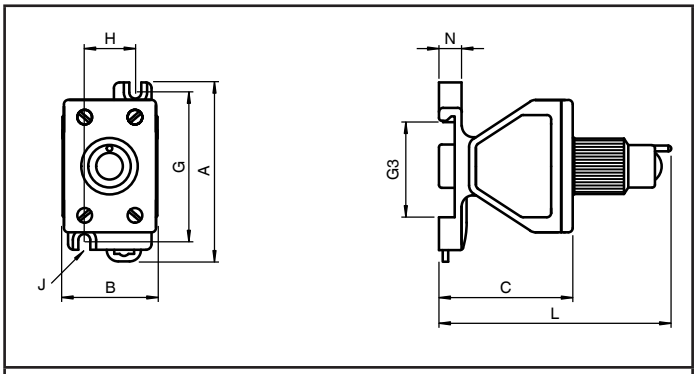
Illuminated Pushbuttons

LED Contact Modules - Dimensions

Mounting	External dimension [mm]				Mounting holes [mm]			Mounting brackets [mm]	DIN rail receptacle [mm]	Mass [g]	Enclosure type
	A	B	C	L	G	H	Diam. J	N	G3		
base-mounted	63	33.4	47	82	52	18	4.2	8	35.6	72	LC*, LR* GR.CS* SR.CS*



base-mounted

LED Modules - Technical Data

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.

LED Modules - Technical Data

Electrical specifications	
Operating voltage	250 V max.
Operating current	10 A max.
Power consumption	1 W max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
Usage category	AC15: 10 ... 250 V AC - 10 A DC13: 10 ... 24 V DC - 1 A
Mechanical specifications	
Mechanical life	1000000 switching operations
Degree of protection	IP20
Material	
Housing	Polyamide (PA)
Ambient conditions	
Service temperature Ambient temperature	-55 ... 85 °C (-67 ... 185 °F) -55 ... 55 °C (-67 ... 131 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 19 ATEX 1178U
Marking	Ex II 2 G Ex db eb IIC Gb
Intrinsically safe variants	
Marking	Ex II 1 G Ex ia IIC Ga
Voltage U_i	LED 28 V / Switch 30 V
Current I_i	LED 93 mA / Switch 100 mA
Power P_i	LED 0.651 W / Switch 1 W
Internal capacitance C_i	LED 0.01 µF / Switch 0 µF
Internal inductance L_i	LED 2.2 mH / Switch 0mH
International approvals	
IECEx approval	IECEx CML 19.0054U
Conformity	
Degree of protection	EN 60529
Usage category	IEC / EN 60947-3
CE marking	2829

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Control Switches Actuator Heads

Control Switch Actuator Heads

Type	Function	Dia-meter [mm]	Switching configuration	Switching diagram	Opera-tor action	Labeling	Lock-able	Image
CFP.N1	rotary actuator	39	2 position changeover with left OFF		L - L	0 - I	-	
CFP.N2	rotary actuator	39	2 position changeover		L - L	I - II	-	
CFP.N3	rotary actuator	39	3 position changeover with center OFF		L - L - L	I - 0 - II	-	
CFP.N3S	rotary actuator	39	3 position changeover with center OFF		S - L - S	I - 0 - II	-	
CFP.N5	rotary actuator	39	3 position changeover with left OFF		L - L - L	0 - I - II	-	
CFP.S1	rotary actuator	60	2 position changeover with left OFF		L - L	0 - I	yes	
CFP.S2	rotary actuator	60	2 position changeover		L - L	I - II	yes	
CFP.S3	rotary actuator	60	3 position changeover with center OFF		L - L - L	I - 0 - II	yes	
CFP.S3S	rotary actuator	60	3 position changeover with center OFF		S - L - S	I - 0 - II	yes	
CFP.S5	rotary actuator	60	3 position changeover with left OFF		L - L - L	0 - I - II	yes	
CFP.K1	key switch rotary actuator	39	2 position changeover with left OFF		L - L	0 - I	yes	
CFP.K1S	key switch rotary actuator	39	2 position changeover with left OFF		L - S	0 - I	yes	
CFP.K3	key switch rotary actuator	39	3 position changeover with center OFF		L - L - L	I - 0 - II	yes	
CFP.K3S	key switch rotary actuator	39	3 position changeover with center OFF		S - L - S	I - 0 - II	yes	

Operator action: L = latching, S = spring return

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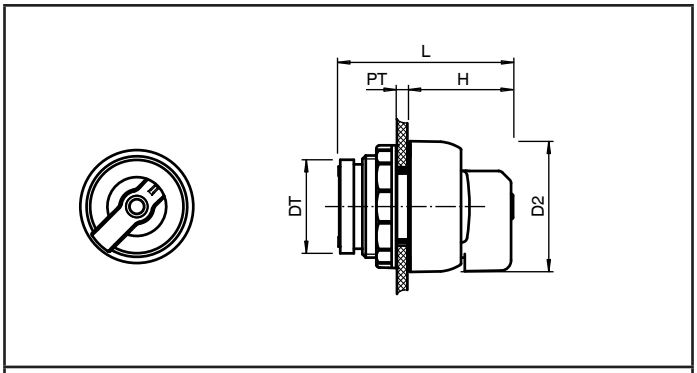
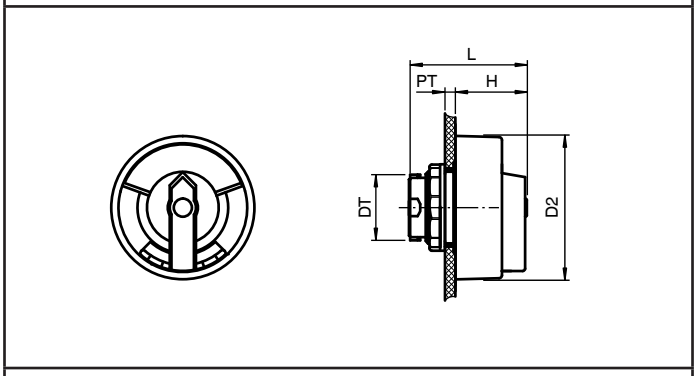
Control Switches Actuator Heads

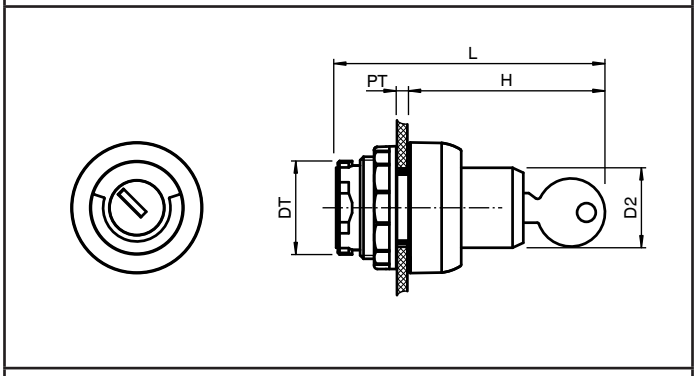
Actuator Heads - Dimensions



CFP.N*



CFP.S*



CFP.K*

Actuator Heads - Technical Data

Mechanical specifications	
Dimensions	see data table
Mounting	use with base-mounted and lid-mounted contact modules
Degree of protection	IP66
Mass	see data table
Material	
Housing	Polyamide (PA)
Finish	inherent color black
Washer gasket	silicone
Ambient conditions	
Ambient temperature	-40 ... 55 °C (-40 ... 131 °F)
Service temperature	-40 ... 65 °C (-40 ... 149 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 GD Ex e IIC Gb Ex tb IIIC Db
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
CE marking	2829
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.

Type	Actuator head diameter [mm]	Panel wall thickness [mm]	Diameter thru-hole [mm]	Length outside enclosure [mm]	Total length [mm]	Mass [g]	Image example
	D2	PT	DT	H	L		
CFP.N*	39	1 ... 6	30.6	30.5	50.5	30	
CFP.S*	60	1 ... 6	30.6	30.5	50.5	46	
CFP.K*	39	1 ... 6	30.6	49.5	70	46	

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Control Switches, 2 Pole Contact Blocks

Combination of 2 Pole Contact Blocks and Actuator Heads

Actuator head function	Actuator head diameter [mm]	Switching configuration	Contact block	Contacts	Switching diagram see overview	Operator action	Labeling	Lockable	Actuator type
rotary actuator	39	2 position changeover with left OFF	O	2x NO	(1)	L - L	0 - I	-	N1
rotary actuator	39	2 position changeover	M	1x NO / 1x NC	(2)	L - L	I - II	-	N2
rotary actuator	39	3 position changeover with center OFF	O	2x NO	(4)	L - L - L	I - 0 - II	-	N3
rotary actuator	39	3 position changeover with center OFF	O	2x NO	(4)	S - L - S	I - 0 - II	-	N3S
rotary actuator	39	3 position changeover with left OFF	M	1x NO / 1x NC	(3)	L - L - L	0 - I - II	-	N5
rotary actuator	60	2 position changeover with left OFF	O	2x NO	(1)	L - L	0 - I	yes	S1
rotary actuator	60	2 position changeover	M	1x NO / 1x NC	(2)	L - L	I - II	-	S2
rotary actuator	60	3 position changeover with center OFF	O	2x NO	(4)	L - L - L	I - 0 - II	yes	S3
rotary actuator	60	3 position changeover with center OFF	O	2x NO	(4)	S - L - S	I - 0 - II	yes	S3S
rotary actuator	60	3 position changeover with left OFF	M	1x NO / 1x NC	(3)	L - L - L	0 - I - II	yes	S5
key switch rotary actuator	39	2 position changeover with left OFF	O	2x NO	(1)	L - L	0 - I	yes	K1
key switch rotary actuator	39	2 position changeover with left OFF	O	2x NO	(1)	L - S	0 - I	yes	K1S
key switch rotary actuator	39	3 position changeover with center OFF	O	2x NO	(4)	L - L - L	I - 0 - II	yes	K3
key switch rotary actuator	39	3 position changeover with center OFF	O	2x NO	(4)	S - L - S	I - 0 - II	yes	K3S

Operator action: L = latching, S = spring return

Contact Blocks

Type	Mounting	Number of poles	Contact configuration	Switching diagram	Image
CFP.M	base-mounted	2	1x NO / 1x NC		
CFP.C	base-mounted	2	2x NC		
CFP.O	base-mounted	2	2x NO		

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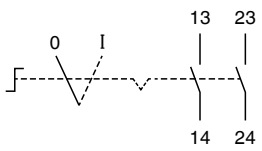
Control Switches, 2 Pole Contact Blocks

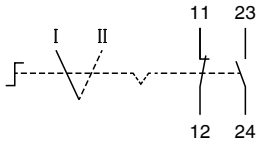
Switching Diagrams

(1)



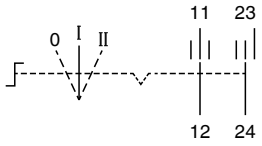
	13	23
0		
I	X	X
	14	24

(2)



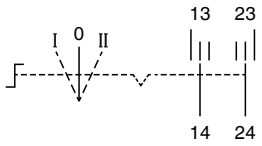
	11	23
I	X	
II		X
	12	24

(3)

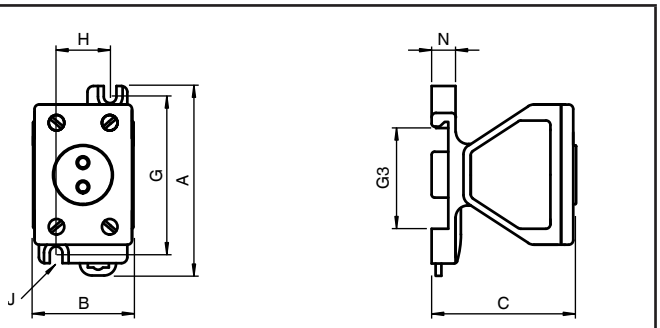


	11	23
0		
I	X	
II		X
	12	24

(4)



	13	23
I	X	
0		
II		X
	14	24



base-mounted

Contact Blocks - Technical Data

Electrical specifications	
Operating voltage	250 V max.
Operating current	16 A max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
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 - 1 A
Mechanical specifications	
Mechanical life	1000000 switching operations
Degree of protection	IP20
Material	
Housing	Polyamide (PA)
Ambient conditions	
Service temperature	-40 ... 90 °C (-40 ... 194 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 G Ex de IIC Gb
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
Usage category	IEC / EN 60947
CE marking	2829
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.

Contact Blocks - Dimensions

Mounting	External dimension [mm]			Mounting holes [mm]			Mounting brackets [mm]	DIN mounting rail receptacle [mm]	Mass [g]	Enclosure type
	A	B	C	G	H	Diam. J	N	G3		
base-mounted	63	33.4	50	52	18	4.2	8	35.6	68	LC*, LR*

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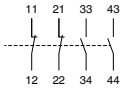
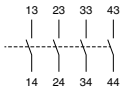
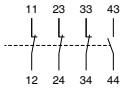
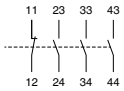
Control Switches, 4 Pole Contact Blocks

Combination of 4 Pole Contact Blocks and Actuator Heads

Actuator head function	Actuator head diameter [mm]	Switching configuration	Contact block	Contacts	Switching diagram see overview	Operator action	Labeling	Lockable	Actuator type
rotary actuator	60	2 position changeover with left OFF	03	4x NO	(5)	L - L	0 - I	yes	S1
rotary actuator	60	2 position changeover	01	2x NO / 2x NC	(6)	L - L	I - II	-	S2
rotary actuator	60	3 position changeover with center OFF	03	4x NO	(7)	L - L - L	I - 0 - II	yes	S3
rotary actuator	60	3 position changeover with center OFF	03	4x NO	(7)	S - L - S	I - 0 - II	yes	S3S

Operator action: L = latching, S = spring return

Contact Blocks

Type	Mounting	Number of poles	Contact configuration	Switching diagram	Image
CFP.01	base-mounted	4	2x NO / 2x NC		
CFP.02	base-mounted	4	4x NC		
CFP.03	base-mounted	4	4x NO		
CFP.04	base-mounted	4	1x NO / 3x NC		
CFP.05	base-mounted	4	3x NO / 1x NC		

Resistor Contact Blocks

Type	Mounting	Number of poles	Contact configuration	Switching diagram	Image
CFP.RM	base-mounted	2	1x NO / 1x NC		
CFP.RO	base-mounted	2	2x NO		
CFP.RC	base-mounted	2	2x NC		

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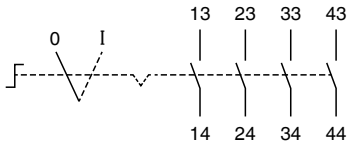
Control Switches, 4 Pole Contact Blocks

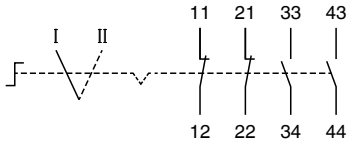
Switching Diagrams

(5)



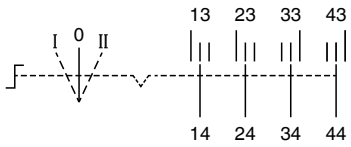
	13	23	33	43
0				
I	X	X	X	X
	14	24	34	44

(6)

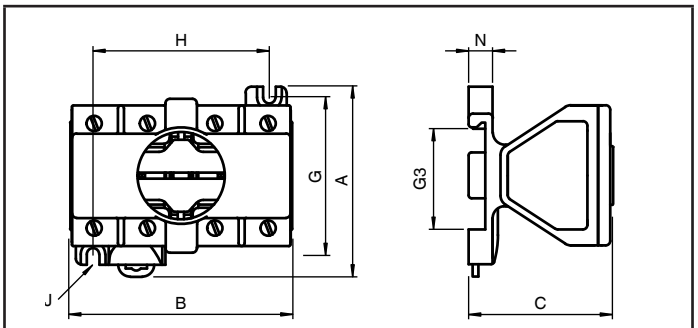


	11	21	33	43
I	X	X		
II			X	X
	12	22	34	44

(7)



	13	23	33	43
I	X	X		
0				
II			X	X
	14	24	34	44



base-mounted

Contact Blocks - Technical Data

Electrical specifications	
Operating voltage	250 V max.
Operating current	16 A max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
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 - 1 A
Mechanical specifications	
Mechanical life	1000000 switching operations
Degree of protection	IP20
Material	
Housing	Polyamide (PA)
Ambient conditions	
Service temperature	-40 ... 90 °C (-40 ... 194 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 G Ex de IIC Gb
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
Usage category	IEC / EN 60947
CE marking	2829
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.

Contact Blocks - Dimensions

Mounting	External dimension [mm]			Mounting holes [mm]			Mounting brackets [mm]	DIN mounting rail receptacle [mm]	Mass [g]	Enclosure type
	A	B	C	G	H	Diam. J	N	G3		
base-mounted	63	74	58.6	52	58	4.2	8	35.6	165	LC*, LR*

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Control Switches, 4 Pole Rotary Switching Blocks

Combination of 4 Pole Rotary Switching Blocks and Actuator Heads

Switching configuration	Switching block	Contacts	Switching diagram see overview	Operator action	Labeling	Lockable	Actuator type
2 position changeover, left OFF	10	4x NO	(10)	L - L	0 - I	yes	T1
2 position changeover	11	2x NO / 2x NC	(11)	L - L	I - II	-	T2
2 position changeover	17	3x NO / 1x NC	(17)	L - L	I - II	-	T2
2 position changeover	18	1x NO / 3x NC	(18)	L - L	I - II	-	T2
3 position changeover, center OFF	12	4x NO	(12)	L - L - L	I - 0 - II	yes	T3
3 position changeover, center OFF	14	4x NO	(14)	L - L - L	I - 0 - II	yes	T3
3 position changeover, center OFF, both sides spring return	13	4x NO	(13)	S - L - S	I - 0 - II	yes	T3
3 position changeover	22	4x NO	(22)	L - L - L	I - 0 - II	-	T3
3 position changeover	23	4x NO	(23)	L - L - L	0 - I - II	-	T5
3 position changeover, right spring return	19	2x NO / 2x NC	(19)	L - L - S	0 - I - II	-	T5
3 position changeover, right spring return	16	3x NO / 1x NC	(16)	L - L - S	0 - I - II	-	T5
4 position changeover	15	3x NO / 1x NC	(15)	L - L - L - L	I - II - III - IV	-	T4
4 position changeover, right spring return	20	4x NO	(20)	L - L - L - S	I - II - III - IV	-	T4
4 position changeover	21	4x NO	(21)	L - L - L - L	I - II - III - IV	-	T4

Operator action: L = latching, S = spring return

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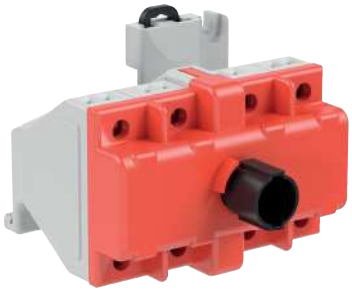
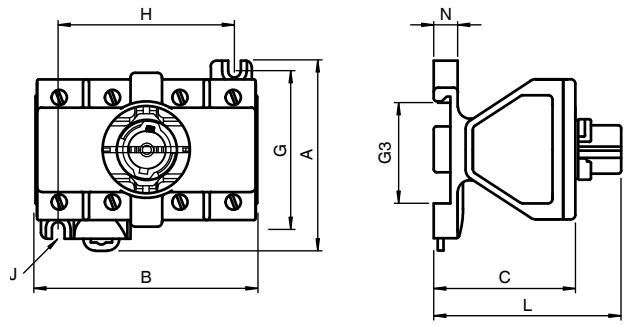
Control Switches, 4 Pole Rotary Switching Blocks

Dimensions

actuator head



rotary switching block, base-mounted



dimensions

Switching Blocks - Technical Data

Electrical specifications	
Operating voltage	250 V max.
Operating current	16 A max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
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 - 1 A
Mechanical specifications	
Mechanical life	1000000 switching operations
Degree of protection	IP20
Material	
Housing	Polyamide (PA)
Ambient conditions	
Service temperature	-40 ... 90 °C (-40 ... 194 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 G Ex de IIC Gb
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
Usage category	IEC / EN 60947
CE marking	2829
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.

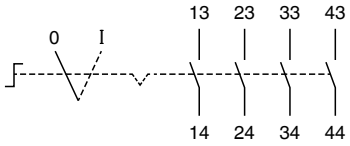
Switching Blocks - Dimensions

Mounting	External dimension [mm]			Mounting holes [mm]			Mounting brackets [mm]	DIN mounting rail receptacle [mm]	Mass [g]	Enclosure type
	A	B	C	G	H	Diam. J	N	G3		
base-mounted	63	74	72	52	58	4.2	8	35.6	171	LC*, LR*

Release date: 2026-03-11 Date of issue: 2026-03-11 Filename: t202049_eng.pdf

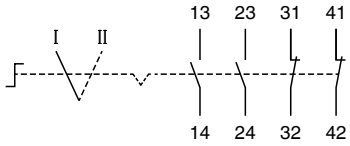
Control Switches, 4 Pole Rotary Switching Blocks, Switching diagrams

(10)



	13	23	33	43
0				
I	X	X	X	X
	14	24	34	44

(11)



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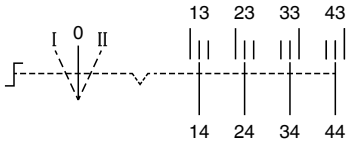
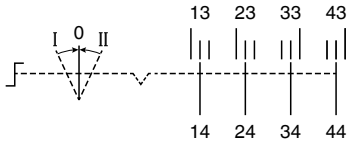
I			X	X
II	X	X		
	14	24	32	42

(12)



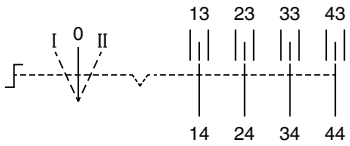
	13	23	33	43
I	X	X		
0				
II			X	X
	14	24	34	44

(13)



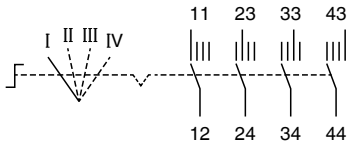
	13	23	33	43
I	X	X		
0				
II			X	X
	14	24	34	44

(14)



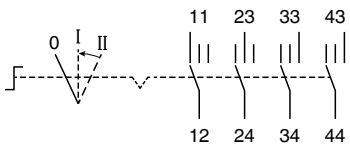
	13	23	33	43
I	X	X	X	X
0				
II	X	X	X	X
	14	24	34	44

(15)



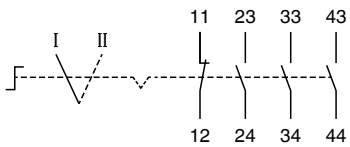
	11	23	33	43
I	X			
II		X		
III			X	
IV				X
	12	24	34	44

(16)



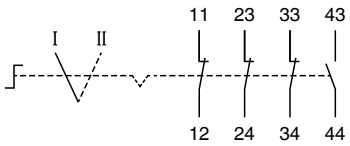
	11	23	33	43
0	X			
I		X		
II			X	X
	12	24	34	44

(17)



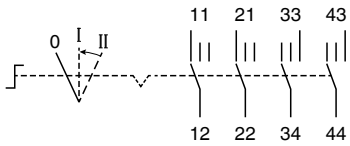
	11	23	33	43
I	X			
II		X	X	X
	12	24	34	44

(18)



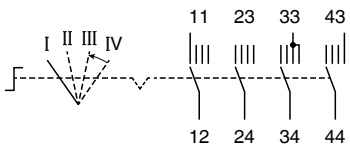
	11	23	33	43
I	X	X	X	
II				X
	12	24	34	44

(19)



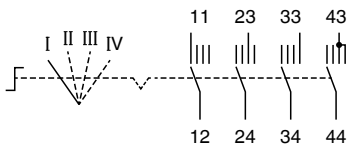
	11	21	33	43
0	X	X		
I				
II			X	X
	12	22	34	44

(20)



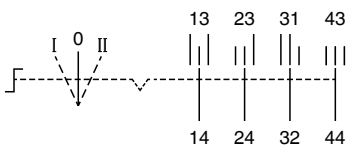
	11	23	33	43
I	X			
II				
III			X	
IV			X	X
	12	24	34	44

(21)



	11	23	33	43
I	X			
II				
III		X		X
IV			X	X
	12	24	34	44

(22)



	13	23	31	43
I	X		X	
0			X	
II	X	X		
	14	24	32	44

(23)

	13	23	33	43
0				
I	X		X	
II		X		X
	14	24	34	44

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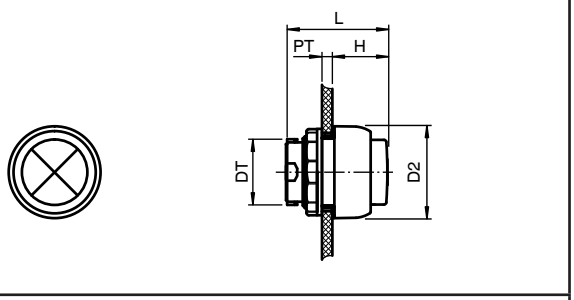
LED Indicators

LED Indicators Lenses

Type	Lens color	Image
CFP.LR	red	
CFP.LG	green	
CFP.LO	amber	
CFP.LW	white	
CFP.LB	blue	



CFP.L*

LED Heads - Technical Data

Mechanical specifications	
Degree of protection	IP66
Material	
Housing	Polyamide (PA)
Finish	inherent color black
Washer gasket	silicone
Ambient conditions	
Ambient temperature	-40 ... 55 °C (-40 ... 131 °F)
Service temperature	-40 ... 65 °C (-40 ... 149 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 GD Ex e IIC Gb Ex tb IIIC Db
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
CE marking	2829
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.

LED Heads - Dimensions

Diameter [mm]	Panel wall thickness [mm]	Diameter thru-hole [mm]	Length outside enclosure [mm]	Total length [mm]	Mass [g]	Mounting	Enclosure type
D2	PT	DT	H	L			
39	1 ... 6	30.6	23.6	43	20	use with base-mounted and cover-mounted LED modules	LC*, LR* FXL*.CS GR.CS* SR.CS*

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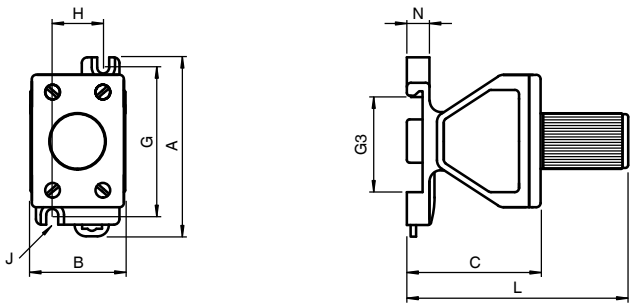
LED Indicators

LED Modules

Type	Mounting	Rated operating voltage [V AC/DC]	Image
CFP.NI	base-mounted	10 ... 28, Ex ia	
CFP.NE	base-mounted	10 ... 28	
CFP.L	base-mounted	30 ... 250	



base-mounted

LED Modules - Technical Data

Electrical specifications	
Operating voltage	250 V max.
Power consumption	2 W max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
Mechanical specifications	
Degree of protection	IP20
Material	
Housing	Polyamide (PA)
Ambient conditions	
Service temperature	-40 ... 90 °C (-40 ... 194 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 G Ex de IIC Gb
Intrinsically safe variants *.NI, *.GI	
Marking	Ex II 1 G Ex ia IIC Ga
Voltage U_i	28 V
Current I_i	93 mA
Power P_i	0.651 W
Internal capacitance C_i	0 µF
Internal inductance L_i	0 mH
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
CE marking	2829
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.

LED Modules - Dimensions

Mounting	External dimension [mm]				Mounting holes [mm]			Mounting brackets [mm]	DIN rail receptacle [mm]	Mass [g]	Enclosure type
	A	B	C	L	G	H	Diam. J	N	G3		
base-mounted	63	33.4	47	84	52	18	4.2	8	35.6	61	LC*, LR* GR.CS* SR.CS*

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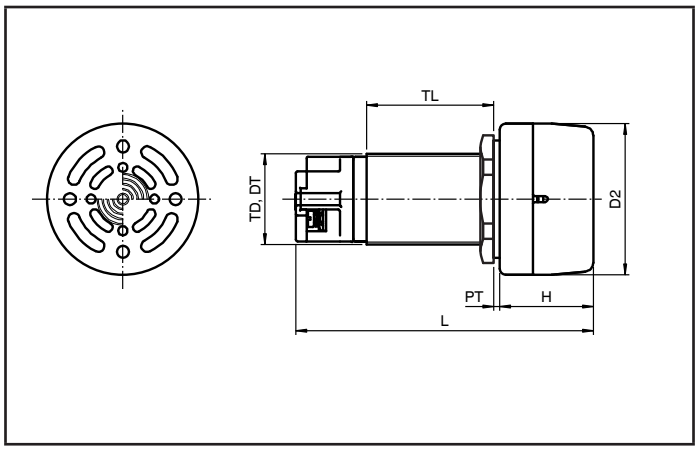
Buzzer

Buzzer Modules

Type	Function	Color	Rated operating voltage [V AC/DC]	Image
CFP. BUZRF1	flashing buzzer	red	10 ... 28	
CFP. BUZRF2	flashing buzzer	red	30 ... 250	
CFP. BUZKS1	buzzer	black	10 ... 28	
CFP. BUZKS2	buzzer	black	30 ... 250	



Buzzer - Technical Data

Electrical specifications	
Operating voltage	250 V max.
Power consumption	1 W max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
Sound level	60 dB at 30 cm
Mechanical specifications	
Degree of protection	IP66
Material	
Housing	Polyamide (PA)
Ambient conditions	
Ambient temperature	-40 ... 50 °C (-40 ... 122 °F)
Service temperature	-40 ... 90 °C (-40 ... 194 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	EPT 16 ATEX 2404U
Marking	Ex II 2 GD Ex eb ib mb IIC Gb Ex ib tb IIIC Db
International approvals	
IECEx approval	IECEx EUT 16.0011U
Conformity	
Degree of protection	EN 60529
CE marking	2460
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.

Buzzer - Dimensions

Actuator head diameter [mm]	Panel wall thickness [mm]	Diameter thru-hole [mm]	Length outside enclosure [mm]	Total length [mm]	Thread size	Thread length [mm]	Mass [g]	Mounting	Enclosure type
D2	PT	DT	H	L	TD	TL			
50	1 ... 35	30.6	31	98.5	M30 x 1.5	42	125	cover-mounted	LC*, LR* GR.CS* SR.CS* FXL*.CS

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Ammeters

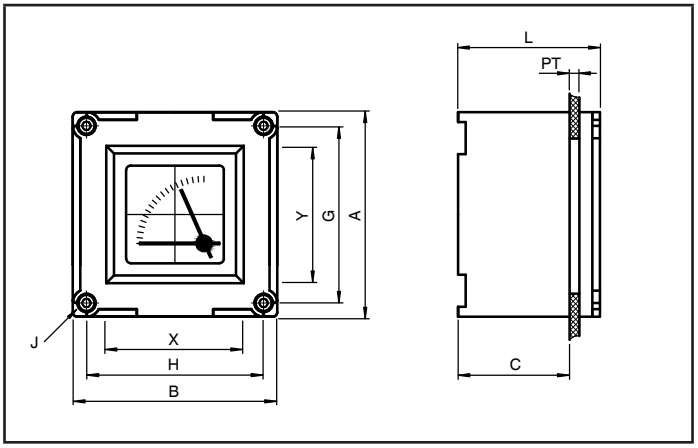
Ammeter Modules

Type	Rated operating current	Scales see table	Image
CFP.AA	0 ... 1 A	scale per specification	
CFP.AB	0 ... 5 A	scale per specification	
CFP.AC	4 ... 20 mA	scale 4 ... 20 / 40 mA	
CFP.AD	0 ... 20 mA	scale 0 ... 20 / 40 mA	

Ammeter Scales

Scales	Type Code
0 ... 1 / 5 A	SA
0 ... 2.5 / 12.5 A	SB
0 ... 5 / 25 A	SC
0 ... 10 / 50 A	SD
0 ... 15 / 75 A	SE
0 ... 20 / 100 A	SU
0 ... 25 / 125 A	SF
0 ... 30 / 150 A	SG
0 ... 40 / 200 A	SH
0 ... 50 / 250 A	SI
0 ... 60 / 300 A	SJ
0 ... 75 / 375 A	SK
0 ... 100 / 500 A	SL

Scales	Type Code
0 ... 150 / 750 A	SM
0 ... 200 / 1000 A	SN
0 ... 250 / 1250 A	SO
0 ... 300 / 1500 A	SP
0 ... 400 / 2000 A	SQ
0 ... 500 / 2500 A	SR
0 ... 600 / 3000 A	SS
0 ... 1000 / 5000 A	ST
Scale as per specification	SZ



Ammeter Modules - Technical Data

Electrical specifications	
Operating voltage	500 V AC
Operating current	5 A max.
Accuracy class	1.5
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
Mechanical specifications	
Degree of protection	IP66
Mounting	Meter window mounting kit
Material	
Housing	Polyamide (PA)
Ambient conditions	
Service temperature	-40 ... 95 °C (-40 ... 203 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	CFP.AA/ CFP.AB: Ex II 2 G Ex e IIC Gb; CFP.AC/ CFP.AD: Ex II 2 G Ex e mb IIC Gb
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
CE marking	2829
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.

Meter Window Mounting Kits

Type	Window including	Enclosure type
CFP.WB	base mounting kit	L*, GR.CS*
CFP.WL	cover mounting kit	FXL*.CS, SR.CS*

Ammeter Modules - Dimensions

External dimension [mm]				Viewing window [mm]		Panel wall thickness [mm]	Mounting holes [mm]			Mass [g]	Enclosure type
A	B	C	L	X	Y	PT	G	H	Diam. J		
70	70	59	75	54	50	1 ... 6	63	63	3.5	186	LC*, LR* FXL*.CS, SR.CS* GR.CS

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Voltmeters

Voltmeter Modules

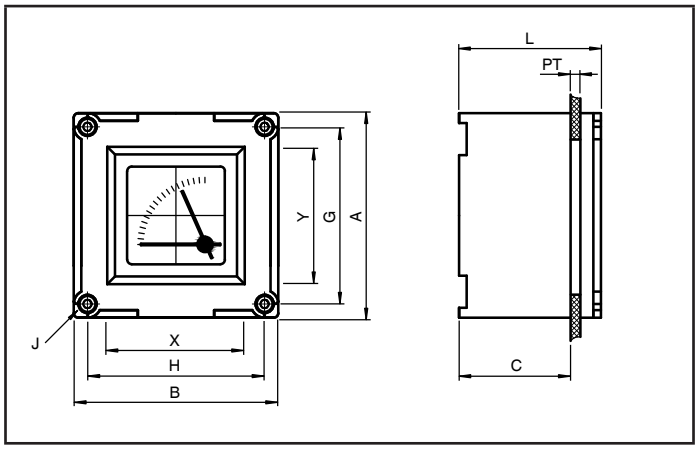
Type	Rated operating voltage	Image
CFP.V6	0 ... 10 V	
CFP.V1	0 ... 25 V	
CFP.V2	0 ... 40 V	
CFP.V7	0 ... 50 V	
CFP.V8	0 ... 100 V	
CFP.V9	0 ... 120 V	
CFP.V3	0 ... 150 V	
CFP.V4	0 ... 250 V	
CFP.V5	0 ... 500 V	

Voltmeter Scales

included in module

Voltmeter Modules - Technical Data

Electrical specifications	
Operating voltage	500 V AC
Accuracy class	1.5
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
Mechanical specifications	
Degree of protection	IP66
Mounting	Meter window mounting kit
Material	
Housing	Polyamide (PA)
Ambient conditions	
Service temperature	-40 ... 95 °C (-40 ... 203 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 G Ex e mb IIC Gb
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
CE marking	2829
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.



Meter Window Mounting Kits

Type	Window including	Enclosure type
CFP.WB	base mounting kit	L*, GR.CS*
CFP.WL	cover mounting kit	FXL*.CS, SR. CS*

Voltmeter Modules - Dimensions

External dimension [mm]				Viewing window [mm]		Panel wall thickness [mm]	Mounting holes [mm]			Mass [g]	Enclosure type
A	B	C	L	X	Y	PT	G	H	Diam. J		
70	70	59	75	54	50	1 ... 6	63	63	3.5	186	LC*, LR* FXL*.CS, SR.CS* GR.CS*

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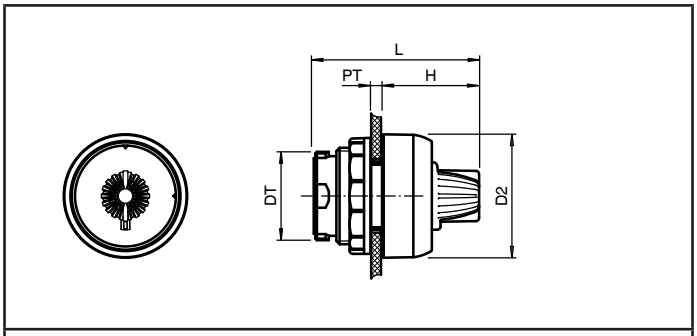
Potentiometers

Potentiometer Actuator Heads

Type	Enclosure type	Labeling	Image
CFP.R1	LC* LR*	0 ... 10	



CFP.R*

Actuator Heads - Technical Data

Mechanical specifications	
Degree of protection	IP66
Material	
Housing	Polyamide (PA)
Finish	inherent color black
Washer gasket	silicone
Ambient conditions	
Ambient temperature	-40 ... 55 °C (-40 ... 131 °F)
Service temperature	-40 ... 65 °C (-40 ... 149 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 GD Ex e IIC Gb Ex tb IIIC Db
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
CE marking	2829
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.

Potentiometer Actuator Heads - Dimensions

Actuator head diameter [mm]	Panel wall thickness [mm]	Diameter thru-hole [mm]	Length outside enclosure [mm]	Total length [mm]	Mass [g]	Mounting
D2	PT	DT	H	L		
39	1 ... 6	30.6	30.5	50.5	27	use with base-mounted and cover-mounted potentiometer modules

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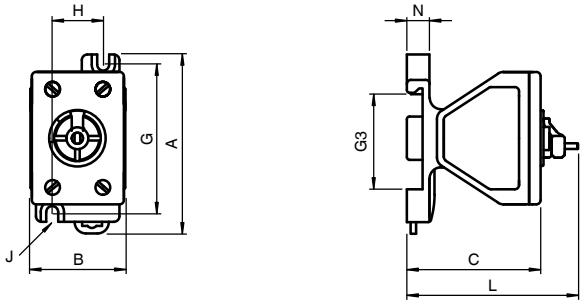
Potentiometers

Potentiometer Modules

Type	Mounting	Range [kΩ]	Image
CFP.3	base-mounted	0 ... 0.5	
CFP.1	base-mounted	0 ... 1	
CFP.2	base-mounted	0 ... 2	
CFP.5	base-mounted	0 ... 5	
CFP.0	base-mounted	0 ... 10	



base-mounted

Potentiometer Modules - Technical Data

Electrical specifications	
Operating voltage	200 V max.
Power consumption	0.1 W max.
Terminal capacity	2.5 mm²
Terminal torque	0.8 Nm
Mechanical specifications	
Degree of protection	IP20
Material	
Housing	Polyamide (PA)
Ambient conditions	
Service temperature	-55 ... 90 °C (-67 ... 194 °F)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	CML 16 ATEX 3339U
Marking	Ex II 2 G Ex de IIC Gb
International approvals	
IECEx approval	IECEx CML 16.0114U
Conformity	
Degree of protection	EN 60529
CE marking	2829
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.

Potentiometer Modules - Dimensions

Mounting	External dimension [mm]				Mounting holes [mm]			Mounting brackets [mm]	DIN rail receptacle [mm]	Mass [g]	Enclosure type
	A	B	C	L	G	H	Diam. J	N	G3		
base-mounted	63	34	50	60	52	18	4.2	8	35.6	69	LC*, LR*

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Operating Elements Accessories

Accessory

Type	Description	Image
CFP.BK	Blanking plug	
CFP.ZT	Extra small label holder with printed label as per specification	
CFP.ZS	Small label holder with printed label as per specification	
CFP.ZL	Large label holder with printed label as per specification	
CFP.ZEB	Emergency stop label, yellow, round	
CFP. ZEB.V2	Emergency stop label, yellow, round, engraved NOT HALT EMERGENCY STOP	
CFP.TP	Locknut spanner, plastic	

Accessory

Type	Description	Image
CFP.ZB CFP.ZBR (1) (8)	Protective flap for small actuators, plastic, padlockable	
CFP.ZJ CFP.ZJR (1) (8)	Protective pushbutton flap with continuous operation, plastic, padlockable	
CFP.ZA CFP.ZAR (4) (8) (9)	Protective flap, plastic	
CFP.ZP CFP.ZPR (5) (8)	Emergency stop shroud, plastic, padlockable, supplied with padlock and 2 keys	
CFP.ZCT (6) (9)	Protective flap, stainless steel	
CFP.ZDT (7)	Protective flap, stainless steel, padlockable	

(1) CFP.ZB* are designed for use with CFP.P* pushbuttons, CFP.I* illuminated pushbuttons, CFP.N* small switches, CFP.R* potentiometer actuators
(2) CFP.ZJ* are designed for use with CFP.P* pushbuttons
(3) CFP.ZH is designed for use with CFP.D* double pushbuttons
(4) CFP.ZA* are designed for use with CFP.S* large switches, CFP.E* emergency stops
(5) CFP.ZP* are designed for use with CFP.E4 emergency stop buttons, the shroud can either be used without the bar to avoid accidental operation or with the bar to padlock in the operated position
(6) CFP.ZCT is designed for use with both CFP.E4 and CFP.E5 emergency stop buttons
(7) CFP.ZDT is designed for use with both CFP.E4 and CFP.E5 emergency stop buttons. The shroud is used to padlock the emergency stop in the operated position and when not in use, the flap should be left open
(8) Accessories that have two options, use a R at the end of the typecode for use with rail mounted contact blocks and those without R are used for cover mounted contact blocks only
(9) Shrouds and flaps potentially prevent free and unimpaired access to an emergency stop button. These products may therefore only be used in applications where their use has been assessed and not found to cause unacceptable risk to health and safety of persons or damage to the protected machinery.

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