

# FLAMEPROOF Ex-d Components

Ex-d components are available in a wide range of operators/pilot lights PL series and selectors PSRC series; allow numerous combinations with our CP./CPS.. EFDCN/EFSRC series.

PL.. series includes standard push buttons, emergency push buttons, key selector switches, pilot lights; mechanical operators allow the assembling of a maximum of four contacts.

PSRC.. series includes on-load switches, change over switches, step switches and selector customized upon request on the base of customer specification.

## SPARES & ACCESSORIES

<b>IP rating</b>	IP66/IP67
<b>Ambient temperature range</b>	-50°C to +60°C
<b>Approvals</b>	IMQ 09ATEX0019U GOST R
<b>Marking</b>	II 2 GD Ex-d IIC Ex-tD A21 IP66/IP67
<b>Barrel thread</b>	Metric M32x1,5

### PL.. Series momentary push buttons



CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	COLOUR	WEIGHT (Kg)
B1302.000100	B1302.000101	PLA-10 PUSH BUTTON	BLACK	0.15
B1302.000200	B1302.000201	PLA-20 PUSH BUTTON	RED	0.15
B1302.000300	B1302.000301	PLA-30 PUSH BUTTON	GREEN	0.15
B1302.000400	B1302.000401	PLA-40 PUSH BUTTON	BLUE	0.15
B1302.000900	B1302.000902	PLA-50 PUSH BUTTON	YELLOW	0.15
B1302.000901	B1302.000903	PLA-60 PUSH BUTTON	WHITE	0.15

Contacts are not included

### PL.. Series lockable momentary push buttons



CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	COLOUR	WEIGHT (Kg)
B1309.000100	B1309.000101	PLB-10 PIN-LOCKABLE PUSH BUTTON	BLACK	0.18
B1309.000200	B1309.000201	PLB-20 PIN-LOCKABLE PUSH BUTTON	RED	0.18
B1309.000300	B1309.000301	PLB-30 PIN-LOCKABLE PUSH BUTTON	GREEN	0.18

Contacts are not included

**PL.. Series Mushroom push buttons**

CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	COLOUR	WEIGHT (Kg)
B1310.000201	B1310.000205	PLC-S NC/NO MUSHROOM PUSH BUTTON TWIST TO RELEASE	RED	0.21
B1310.000202	B1310.000206	PLC-S NO/NO MUSHROOM PUSH BUTTON TWIST TO RELEASE	RED	0.21
B1310.000203	B1310.000207	PLC-S NC/NC MUSHROOM PUSH BUTTON TWIST TO RELEASE	RED	0.21
B1310.000301	B1310.000302	PLC-S-F NC/NO MUSHROOM PUSH BUTTON WITH KEY	RED	0.15
B1310.000303	B1310.000304	PLC-S-F NC/NC MUSHROOM PUSH BUTTON WITH KEY	RED	0.15
B1310.000305	B1310.000306	PLC-S-F NO/NO MUSHROOM PUSH BUTTON WITH KEY	RED	0.15
B1310.000101	B1310.000102	PLC-I MOMENTARY MUSHROOM PUSH BUTTON	RED	0.15

Contacts are not included

**PL.. Series Key selector switches**

CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	COLOUR	KEY WITHDRAWAL	WEIGHT (Kg)
B1305.001012	B1305.001014	PLF-10 NO/NC KEY SELECTOR SWITCH	-	0	0.20
B1305.001011	B1305.001016	PLF-10 NO/NO KEY SELECTOR SWITCH	-	0	0.20
B1305.001022	B1305.001023	PLF-10 NC/NC KEY SELECTOR SWITCH	-	0	0.20
B1305.001015	B1305.001028	PLF-10 NO/NO KEY SELECTOR SWITCH	-	0-1	0.20
B1305.001024	B1305.001025	PLF-10 NC/NC KEY SELECTOR SWITCH	-	0-1	0.20
B1305.001029	B1305.001020	PLF-10 NO/NC KEY SELECTOR SWITCH	-	0-1	0.20

Contacts are not included

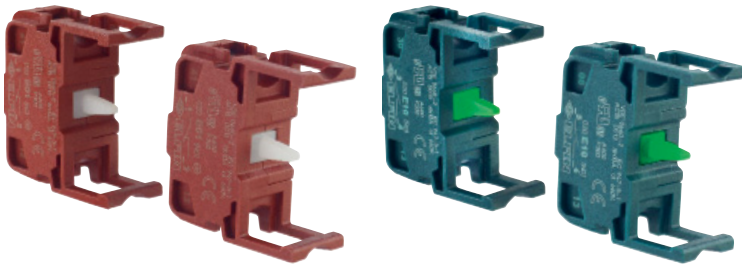
**PL.. Series mechanical operators**

CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	COLOUR	WEIGHT (Kg)
B1310.000500	B1310.000504	PLC RESTORE PUSH BUTTON - M32X1,5	GREEN	0.10
B1310.000502	B1310.000505	PLC RESTORE PUSH BUTTON - M32X1,5	RED	0.10
B1310.000503	B1310.000506	PLC RESTORE PUSH BUTTON - M32X1,5	BLACK	0.10
B1310.000600	B1310.000603	PLC RESET PUSH BUTTON - M12X1,75	-	0.10

Contacts are not included

## PL.. Series Contacts

CODE	TYPE	WEIGHT (Kg)
B1307.000099	NC CONTACT - PL.. SERIES	0.006
B1307.000100	NO CONTACT - PL.. SERIES	0.006



## Rated operational characteristic

ITH MAX. 6A	UE (V)	AC-15 Ie max. (A)	DC-13 Ie max. (A)	Ui max. (V)
	24	10	2,5	660
	48	8	1,4	
	60	6	1	
	110	6	0,6	
	220	3	0,3	
	380	2		
	400	1,5		
	500	1,5		
	600	1,2		



## PL.. Series Pilot lights

CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	COLOUR
B1303.000100	B1303.000101	PLD-10 PILOT LIGHT	WHITE
B1303.000200	B1303.000201	PLD-20 PILOT LIGHT	RED
B1303.000300	B1303.000301	PLD-30 PILOT LIGHT	GREEN
B1303.000400	B1303.000401	PLD-40 PILOT LIGHT	YELLOW
B1303.000500	B1303.000501	PLD-50 PILOT LIGHT	BLUE

Suitable for LED lamp 3W max. or incandescent lamp 5W max., Vmax.DC 220V, Vmax.AC 380V

## PL.. series Lamps



CODE	TYPE	VOLTAGE	COLOUR
B1307.000025	LED LAMP 12V-R	12V	RED
B1307.000026	LED LAMP 12V-V		GREEN
B1307.000027	LED LAMP 12V-G		YELLOW
B1307.000028	LED LAMP 12V-B		WHITE
B1307.000029	LED LAMP 24V-R	24V	RED
B1307.000030	LED LAMP 24V-V		GREEN
B1307.000031	LED LAMP 24V-G		YELLOW
B1307.000032	LED LAMP 24V-B		WHITE
B1307.000291	LED LAMP 24V-BL		BLUE
B1307.000043	LED LAMP 48V-R	48V	RED
B1307.000042	LED LAMP 48V-V		GREEN
B1307.000044	LED LAMP 48V-G		YELLOW
B1307.000041	LED LAMP 48V-B		WHITE
B1307.000033	LED LAMP 110V-R	110V	RED
B1307.000034	LED LAMP 110V-V		GREEN
B1307.000035	LED LAMP 110V-G		YELLOW
B1307.000036	LED LAMP 110V-B		WHITE
B1307.000045	LED LAMP 110V-BL		BLUE
B1307.000037	LED LAMP 220V-R	220V	RED
B1307.000038	LED LAMP 220V-V		GREEN
B1307.000039	LED LAMP 220V-G		YELLOW
B1307.000040	LED LAMP 220V-B		WHITE
B1307.000333	LED LAMP 220V-BL		BLUE



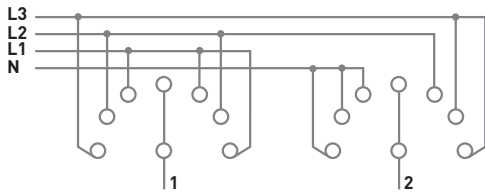
### PSRC.. Series On-load switches

CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	N° OF POLES	AMPERE A	WEIGHT (Kg)	DIAGRAM
B1304.001200	B1304.001202	PSRC-120 - ON LOAD SWITCH	1	20	0.13	
B1304.002200	B1304.002201	PSRC-220 - ON LOAD SWITCH	2	20	0.16	
B1304.003200	B1304.003201	PSRC-320 - ON LOAD SWITCH	3	20	0.20	
B1304.004200	B1304.004201	PSRC-420 - ON LOAD SWITCH	4	20	0.20	
B1304.001320	B1304.001322	PSRC-132 - ON LOAD SWITCH	1	32	0.20	
B1304.002250	B1304.002251	PSRC-232 - ON LOAD SWITCH	2	32	0.20	
B1304.003320	B1304.003321	PSRC-332 - ON LOAD SWITCH	3	32	0.25	
B1304.004320	B1304.004321	PSRC-432 - ON LOAD SWITCH	4	32	0.25	

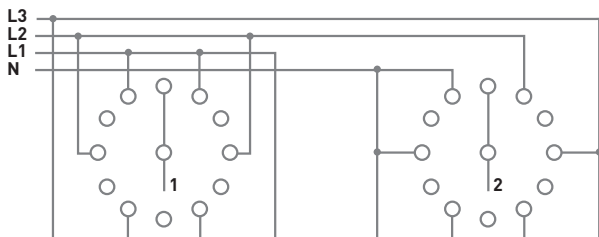
**PSRC.. Series Step switch**

CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	N° OF POLES	AMPERE A	WEIGHT (Kg)	DIAGRAM
B1304.021200	B1304.021201	PSRC-C 120 - STEP SWITCH	1	20	0.13	
B1304.022200	B1304.023201	PSRC-C 220 - STEP SWITCH	2	20	0.20	
B1304.023200	B1304.023203	PSRC-C 320 - STEP SWITCH	3	20	0.25	
B1304.023205	B1304.023206	PSRC-C 420 - STEP SWITCH	4	20	0.30	
B1304.023500	B1304.023502	PSRC-C VOLTMETER 7 POS.	-	-		SEE BELOW
B1304.023501	B1304.023503	PSRC-C VOLTMETER 12 POS.	-	-		SEE BELOW
B1304.023510	B1304.023511	PSRC-C AMPERMETER 4 POS.	-	-		SEE BELOW

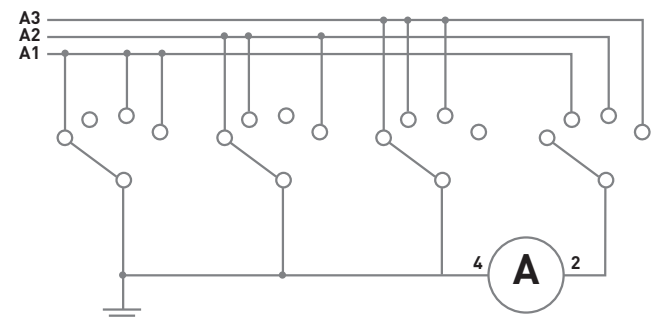
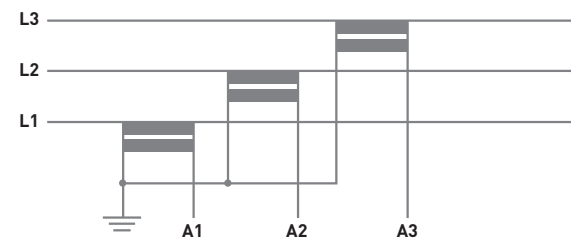
**Voltmeter selector switch 7 pos.**



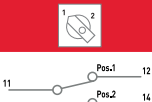
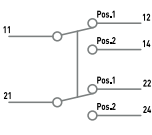
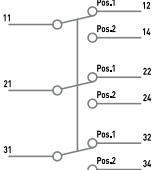
**Voltmeter selector switch 12 pos.**



**Ammeter selector switch 4 pos.**



## PSRC.. Series Change-over switch

CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	N° OF POLES	AMPERE A	WEIGHT (Kg)	DIAGRAM
B1304.011200	B1304.011201	PSRC-D 120 - CHANGE OVER SWITCH	1	20	0.13	
B1304.012200	B1304.012201	PSRC-D 220 - CHANGE OVER SWITCH	2	20	0.20	
B1304.013200	B1304.013201	PSRC-D 320 - CHANGE OVER SWITCH	3	20	0.25	

## PSRC.. Series SPECIAL rotating switches

CODE SPARE PART	CODE COMPONENT CERTIFICATE	TYPE	N° OF POLES	AMPERE A	WEIGHT (Kg) AVERAGE
B1304.002001	B1304.002101	PSRC-20-R		20	0,3
B1304.002002	B1304.002102	PSRC-20-Y1		20	0,3
B1304.002003	B1304.002103	PSRC-20-Y2		20	0,3
B1304.002004	B1304.002104	PSRC-20-X STD AGIP		20	0,3
B1304.002005	B1304.002105	PSRC-20-R STD AGIP		20	0,3
B1304.002006	B1304.002106	PSRC-220-W2	2	20	0,3
B1304.002007	B1304.002107	PSRC-20-X	1	20	0,3
B1304.001201	B1304.001203	PSRC-120-W1		20	0,3

## PSRC Series Rated operational characteristic

AMPERE A	AC-1 Ie MAX. [A]	AC-3 Ie MAX. [A]	AC-11 Ie MAX. [A]	Ui max. [V]
20	25	12	9	690
32	36	22	16	690