

PUSH BUTTONS Ø22 | WITH COLOUR CAP | IP67-IP69K


TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
FLUSH PUSH BUTTON	■	PPRN1GL	30	10	
	■	PPRN2GL	30	10	
	■	PPRN3GL	30	10	
	■	PPRN4GL	30	10	
	■	PPRN5GL	30	10	
	■	PPRN8GL	30	10	



TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
EXTENDED PUSH BUTTON	■	PPSN1GL	31	10	
	■	PPSN2GL	31	10	
	■	PPSN3GL	31	10	
	■	PPSN4GL	31	10	
	■	PPSN5GL	31	10	
	■	PPSN8GL	31	10	



TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
MUSHROOM Ø40	■	PPFN1M4NGL	45	10	
	■	PPFN2M4NGL	45	10	
	■	PPFN3M4NGL	45	10	

PUSH BUTTONS Ø22 | WITH LENS CAP | IP67-IP69K


TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
FLUSH PUSH BUTTON	■	PPRL1GL	30	10	
	■	PPRL2GL	30	10	
	■	PPRL3GL	30	10	
	■	PPRL4GL	30	10	
	■	PPRL5GL	30	10	



TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
EXTENDED PUSH BUTTON	■	PPSL1GL	31	10	
	■	PPSL2GL	31	10	
	■	PPSL3GL	31	10	
	■	PPSL4GL	31	10	
	■	PPSL5GL	31	10	



TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
MUSHROOM OPERATOR Ø40	■	PPFL1M4NGL	43	10	

IND. LIGHT


TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
FLAT CAP	■	PLSL1NL	30	10	
	■	PLSL2NL	30	10	
	■	PLSL3NL	30	10	
	■	PLSL4NL	30	10	
	■	PLSL5NL	30	10	

MULTIFUNCTION PUSH BUTTONS Ø22 | NOT LIGHT | IP67-IP69K


TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
DUAL PUSH BUTTON	■	PPDNGL	38	10	



TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
EXTENDED DUAL PUSH BUTTON	■	PPDNSGL	38	10	



TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
MULTIFUNCTION PUSH BUTTON	■	PPMNSGL	40	10	

MULTIFUNCTION PUSH BUTTONS Ø22 | LIGHT | IP67-IP69K


TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
DUAL PUSH BUTTON	■	PPDLGL	38	10	
	■	PPDLGL.1	38	10	



TYPE	COLOUR INDEX	CODE	WEIGHT grams	MIN. PACK QUANTITY	SIZES
EXTENDED DUAL PUSH BUTTON	■	PPDLSGL	38	10	

ROTARY SWITCHES Ø22 | IP67-IP69K

WITH OPERATOR

WITH LIGHT OPERATOR

WITH KEY



POSITION	COLOUR INDEX	CODE	COLOUR INDEX	CODE	KEY REMOVAL L O R	CODE
 90°	■	PSMB1D0GL	■	PSML1D0GL	*	PSCR8D0CGL
	■	PSMB2D0GL	■	PSML2D0GL	*	PSCR8D0EGL
	■	PSMB3D0GL	■	PSML3D0GL	*	PSCR8D0NGL
	■	PSMB4D0GL	■	PSML4D0GL	*	
	■	PSMB5D0GL	■	PSML5D0GL	*	
 45°	■	PSMB1D1GL	■	PSML1D1GL	*	PSCR8D1CGL
	■	PSMB2D1GL	■	PSML2D1GL	*	PSCR8D1EGL
	■	PSMB3D1GL	■	PSML3D1GL	*	PSCR8D1NGL
	■	PSMB4D1GL	■	PSML4D1GL	*	
	■	PSMB5D1GL	■	PSML5D1GL	*	
 45°	■	PSMB1D2GL	■	PSML1D2GL	*	PSCR8D2CGL
	■	PSMB2D2GL	■	PSML2D2GL	*	
	■	PSMB3D2GL	■	PSML3D2GL	*	
	■	PSMB4D2GL	■	PSML4D2GL	*	
	■	PSMB5D2GL	■	PSML5D2GL	*	
 45°	■	PSMB1T0GL	■	PSML1T0GL	*	PSCR8T0CGL
	■	PSMB2T0GL	■	PSML2T0GL	*	PSCR8T0AGL
	■	PSMB3T0GL	■	PSML3T0GL	*	PSCR8T0EGL
	■	PSMB4T0GL	■	PSML4T0GL	*	PSCR8T0GGL
	■	PSMB5T0GL	■	PSML5T0GL	*	PSCR8T0HGL
 45°	■	PSMB1T3GL	■	PSML1T3GL	*	PSCR8T3CGL
	■	PSMB2T3GL	■	PSML2T3GL	*	
	■	PSMB3T3GL	■	PSML3T3GL	*	
	■	PSMB4T3GL	■	PSML4T3GL	*	
	■	PSMB5T3GL	■	PSML5T3GL	*	
 45°	■	PSMB1T2GL	■	PSML1T2GL	*	PSCR8T2CGL
	■	PSMB2T2GL	■	PSML2T2GL	*	PSCR8T2AGL
	■	PSMB3T2GL	■	PSML3T2GL	*	PSCR8T2HGL
	■	PSMB4T2GL	■	PSML4T2GL	*	
	■	PSMB5T2GL	■	PSML5T2GL	*	
 45°	■	PSMB1T1GL	■	PSML1T1GL	*	PSCR8T1CGL
	■	PSMB2T1GL	■	PSML2T1GL	*	PSCR8T1EGL
	■	PSMB3T1GL	■	PSML3T1GL	*	PSCR8T1NGL
	■	PSMB4T1GL	■	PSML4T1GL	*	
	■	PSMB5T1GL	■	PSML5T1GL	*	

■ For standard rotary switches suitable to operate a central contact, replace the letter "B" with the letter "C": PSMB1C0GL or PSMB1C1GL
■ For rotary switches with Left - Right operating angles replace the letters "DO" with "SD": PSMB1SD0GL or PSMB1SD1GL

* Key removable position

OPERATOR CAPS Ø22 | IP67-IP69K

MOMENTARY FLUSH PUSH BUTTONS

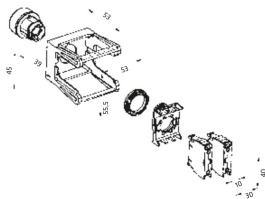


SYMBOL	COLOUR	CODE	SYMBOL	COLOUR	CODE
	■	PPRN2GL/I		■	PPRN2GL/ON
	■	PPRN1GL/O		■	PPRN1GL/OFF
	■	PPRN2GL/II		■	PPRN5GL/F
	■	PPRN2GL/START		■	PPRN8GL/F
	■	PPRN1GL/STOP			

Available others symbols on request, also in different languages and colours.

ACCESSORIES | ORION SERIES
DIN RAIL MOUNTING ADAPTOR


DESCRIPTION	CODE
DIN EN50022 RAIL MOUNTING FOR 46 MM STANDARDISED GREY ENCLOSURES	11708351


PROTECTION CAPS
FOR FLUSH BUTTON

DESCRIPTION	CODE
ORION	PCRNL


FOR MULTIFUNCTIONAL SERIES

ORION	CODE
PPDNGL-PPDLGL	PCDNL
PPMNGL	PCMNL
PPDNRGL-PPDLRGL	PCNNL


FOR EXTENDED PUSH BUTTON

DESCRIPTION	CODE
ORION	PCSNL


CENTRAL CONTACT OPERATION


DESCRIPTION	CODE
FOR GL, BL, NEMA 4X SERIES	11708555

KEY FIXING BULB EXTRACTOR


CODE
PCF

STOPPER CLOSING HOLES Ø22,5


CODE
PTRN8

CONTACTS SUPPORT


DESCRIPTION	CODE	DESCRIPTION	CODE
TO CONTACT ELEMENTS PL, PCW, PSC	PPELN8	TO FIVE CONTACT ELEMENTS PL, PCW, PSC	PPELN8-5

FASTON CONNECTORS AND FOR PCB


DESCRIPTION	CODE	DESCRIPTION	CODE
FASTON 6,3x0,8	11708341	PCB	11708235

TO SCREW CONTACTS PL
ACCESSORIES | ORION SERIES
EMERGENCY STOP RING


DESCRIPTION	TEXT	CODE
Ø60 Made of Aluminium Yellow background Black letters. Weight 3,5 gr. Min. packing q.ty 10 pcs.	(BLANK)	PTE
	STOP - EMERGENZA	PTE/I
	EMERGENCY - STOP	PTE/A
	NOT - AUS	PTE/D

Available others texts on request, also in different languages.

LEGEND PLATE


CODE
PPTN8

LABEL

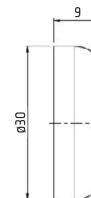

TEXT	CODE
(BLANK)	PTA00
MARCIA	PTA01
ARRESTO	PTA02
I O II	PTA03
O I	PTA04
CHIUDE	PTA05
APRE	PTA06
EMERGENZA	PTA07
MANUALE	PTA08
AUTOMATICO	PTA09
AVANTI	PTA10
INDIETRO	PTA11
EIN	PTA12
AUS	PTA13
STOP	PTA14
START	PTA15
RESET	PTA16
I → O ← II	PTA17
AUT O MAN	PTA18
INS - DISINS	PTA26
HAND OFF AUTO	PTA27
FORW OFF REV	PTA28
ON OFF	PTA29

SPECIAL FRAMES ON REQUEST
• SPECIAL FRAMES: NICKEL LINE

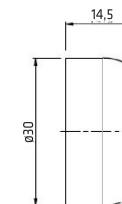
The auxiliary controls of Grey Line of Orion Series can be supplied with seal in Nickel.

To order Nickel Execution replace the letters "GL" with "NL":

PPRN1GL (Grey Line) > PPRN1NL (Nickel Line)


• SPECIAL FRAMES: SHROUDED Black Line / Grey Line

The auxiliary controls of Orion Series are available also with shrouded seal.



Black Line
Orion Series

Grey Line
Orion Series

AUXILIARY CONTROLS | ORION SERIES
AUXILIARY CONTROLS | ORION SERIES
TECHNICAL DATA | ELECTRICAL CHARACTERISTICS
CONTACT BLOCKS

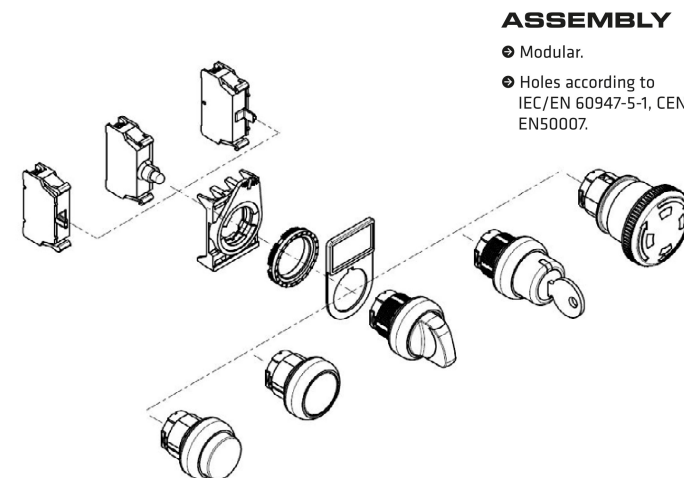
IEC/EN 60947-5-1 CHARACTERISTICS		PL004001-PL004002									PCW01-PCW10 / PSC01-PSC10								
Rated insulation voltage Ui	V	690*									690*								
Rated impulse withstand voltage Uimp	kV	4*									4*								
Operating frequency	Hz	50/60*									50/60*								
Rated thermal current Ith	A	16*									16*								
Rated thermal current in enclosed Ithe	A	10*									10*								
RATED OPERATING CURRENT Ie:		PL004001-PL004002									PCW01-PCW10 / PSC01-PSC10								
AC15: Alternate current	V	24	60	110	230	400	440	500	690	24	60	110	240	400	440	500	690		
	A	16*	12	8	6	4,5	3,5	1*	1	16*	12	5	5*	4	4	4*	2*		
DC13: Direct current	V	24		48	60		110	220		24		48	60		110	250			
	A	2*		1,2	0,85		0,4	0,25*		2		2*	1*		0,4	0,4*			
Conditional short circuit withstand current	A	1000*									1000*								
Fuse rating gG	500V	10A*									10A*								
Contact insulation resistance	mΩ	<25									<25								
Switching mechanism		Slow break double gap contacts									Slow break double gap contacts								
Contact duty		● NC contact with positive opening									● NC contact with positive opening								
Minimum tripping force		4N									4N								
Electrical life AC15	mil. cycles	1A/1,5 - 2A/0,5 - 3A/0,25									1A/1,5 - 2A/0,5 - 3A/0,25								
UL 508 CHARACTERISTICS		PL004001-PL004002									PCW01-PCW10 / PSC01-PSC10								
General Use		10A-600V ac - 2,5A-125V dc									10A-600V ac - 2,5A-125V dc								
Heavy Duty (HD) category		A600-Q600									A600-Q600								

LAMP HOLDER

IEC/EN 60947-5-1 CHARACTERISTICS		BUILT-IN LED	
		LED PL004.L. PCW.L.-PSC.L.	
Rated insulation voltage Ui	V	400	
Rated operating voltage Ue	V	AC/DC 12-24	
	V	AC/DC 48	
	V	AC/DC 110	
	V	AC 220	
Max rated power	W	-	
Power supply		-	
Lamp fixing system		-	

TECHNICAL DATA | ELECTRICAL CHARACTERISTICS

STANDARD CONFORMITY		UL - IMG - R.I.N.A	
Approvals		IEC/EN60947-5-1, UL508	
Protection class	EN 60529 BLACK LINE EN 60529 GREY LINE Conforms to UL50	IP65: Buttons and switches, Multifunction push button IP66/IP67/IP69K: Buttons and switches, Multifunction push button	
Material Group	EN60947-1	Type 1	
Pollution Grade	EN60947-1	II	
Flammability	UL94	3	
Ambient Temperature	°C	VO: live parts	
	°C	Operating: -25 +70	
Climate Protection	IEC68 part 2-3 IEC68 part 2-30	Storage: -30 +70	
		Hot damp	
		Unsettled Hot damp	
Mechanical life:			
Mushroom operators and standard	mil./operations	3	
Push buttons with colour cap		1	
Standard push buttons with lens cap		1	
Standard rotary switches		0,5	
Rotary switches with lens		0,3	
Emergency stop push buttons with release		0,3	

ASSEMBLY INSTRUCTIONS

ASSEMBLY

- Modular.
- Holes according to IEC/EN 60947-5-1, CENELEC EN50007.

CENELEC EN50007

- Panel thickness from 1 up to 6 mm.

- If not required, lock nuts can be easily removed by means of a screwdriver.

