



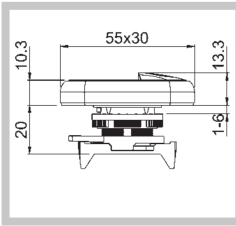


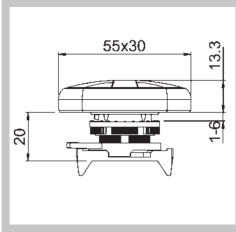


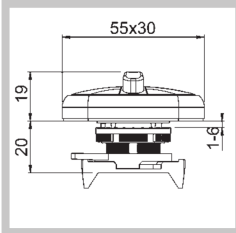
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Multi function push buttons ø 22
Nickel line - IP67



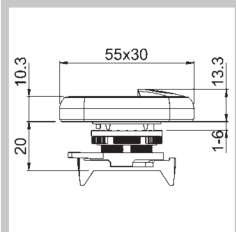



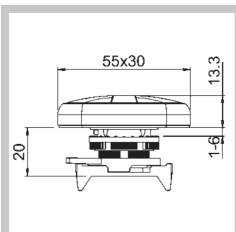


AUTOMATION TECHNOLOGIES

MULTI FUNCTION PUSH BUTTONS

	DESCRIPTION	COL. - SYMBOL	CODE	WEIGHT gr	Min. Pack Qty.	DIMENSIONS
	Dual Push Button		PPDNNL	38	10	
	Extended Push Button		PPDNSNL	38	10	
	Triple multi function		PPMNSNL	40	10	

MULTI FUNCTION PUSH BUTTONS - WITH LIGHT-LENS

	Dual Push Button		PPDLNL	38	10	
			PPDLNL.1	38	10	
	Extended double push button		PPDLSNL	38	10	

1 On demand execution

Multifunction push buttons - On demand we can provide special symbol or writings for horizontal mounting/reading

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Technical data

Electrical characteristics

CONTACT BLOCKS

IEC/EN 60947-5-1 CHARACTERISTICS		PLO04001 - PLO04002								PCW01-PCW10 PSC01-PSC10							
Rated insulation voltage U_i	V	690 V*								690 V*							
Rated impulse withstand voltage U_{imp}	kV	4*								4*							
Operating frequency	Hz	50/60*								50/60*							
Rated thermal current I_{th}	A	16*								16*							
Rated thermal current enclosed I_{the}	A	10*								10*							
RATED OPERATING CURRENT I_e:																	
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	500 V	10A*								10A*							
Contact insulation resistance	m Ω	<25								<25							
Switching mechanism		Slow break double gap contacts															
Contact duty		⊕ 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																	
General use		10A-600V ac 2,5A-125V dc								10A-600V ac 2,5-125V dc							
Heavy Duty (HD) category		A600-Q600								A600-Q600							

LED PILOT LAMP

IEC/EN 60947-5-1 CHARACTERISTICS		LED PLML.L				BA9s - PLML.			
Rated insulation voltage U_i AC/DC	V	6 - 12 - 24 - 48 - 110 - 220				250			
Rated insulation voltage U_i AC	V	380				-			
Operating frequency	Hz	50/60				50/60			
Current I_e	mA	≤50 (6V - 12V) - ≤20 (24V...380V)				2 W max			
Brightness	cd/m ²	≤40				-			
Electrical life	h	≤30.000				-			

POWER SUPPLIES

IEC/EN 60947-5-1 CHARACTERISTICS		DIRECT PLO04007 PCWAD-PSCAD		LED PLO04.L. PCW.L.-PSC.L.		RESISTOR PLO04RD.		TRANSFORMER PLO04TR.		FLASHING LIGHT PLO04LA.	
Rated insulation voltage U_i	V	690*		400		400		440		400	
Rated operating voltage U_e	V	400* 300 ¹		AC/DC 12-24		PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY
	V	-		AC/DC 48		110/130	48/60	110/130	24	24	24
	V	-		AC/DC 110		220/240	110/130	220/240	24	110/130	110/130
	V	-		AC 220		-	-	380/440	24	-	-
Max rated power	W	2,4* 2,5 ¹		-		2		1,5		2,6	
Power supply		AC/DC		-		-		AC		-	
Lamp fixing system		BA9s		-		BA9s		BA9s		BA9s	

¹ UL certified values

* IMQ certified values

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Technical data

Electrical characteristics



AUTOMATION TECHNOLOGIES

STANDARD CONFORMITY

■	Approvals		UL, IMQ, CCC, GOST-R, R.I.NA
■	Protection class	EN60529 Black line	IEC/EN60947-5-1, UL508
		EN60529 Nickel line	IP65: Buttons and switches, joysticks, single-lamp, Mushroom emergency EN ISO 13850
		Conforms to UL50	IP40: Multi-Function push buttons
		EN60529	IP66: Switches
	Material group	EN60947-1	IP67: Push buttons and multifunction push buttons
■	Pollution grade	EN60947-1	Type 1,3R, 4, 4x,12,13, NEMA 4X
■	Flammability	UL94	IP65: Control stations, enclosures - IP66 mushroom pushbutton ø90
■	Ambient temperature	°C	IP20: Contacts / power PCW., PL. - IPOO; PSC.
		°C	II
■	Climate protection	IEC68 part 2-3	3
		IEC68 part 2-30	VO: live parts
	Terminals referencing:		Operating: -25 +70
■	Terminals:		Storage: -30 +70
	Dimensions		Hot damp
	Screw		Unsettled hot damp
	Torque		EN50013
■	Capacity:		
	solid and flexible conductors	n° 1 min/max mm ²	A2
		n° 2 min/max mm ²	M3,5
		AWG	1.2Nm - EN60947-1 - 12 lb.in. UL508
			1/2.5 screw terminals, 0.5-2.5 spring loaded terminals
			1/2.5 screw terminals, 0.5-2.5 spring loaded terminals
			20-12 screw terminals
■	Mechanical life:		
	Mushroom operators and standard Push buttons with colour cap	mil./operations	3
	Standard push buttons with lens cap		1
	Latched push button with colour cap		1
	Standard rotary switches		1
	Rotary switches with lens, latched pushbutton with lens cap, joysticks		0.5
	Emergency stop push buttons with release		0.3