

NPA

Pendant control station



Pendant station for auxiliary control of industrial machines.

Sturdy and handy, NPA is a classic control station, available with plastic pushbuttons or with dust-tight rubber pushbuttons, with up to 3 speed switches.

FEATURES

- The cable sleeve can be angled up to 20° to give the operator the best view of all the control elements and enable a natural, comfortable working position.
- Rectangular pushbuttons in thermoplastic material or rubber pushbuttons with symbol disks to ensure protection against dust.
- Two-colour moulded pushbuttons and disks to guarantee clear reading and wear resistance.
- The emergency stop mushroom pushbutton complies with standard EN 418.
- Positive opening NC contacts for safety functions.
- Mechanical life of switches: 1 million operations.
- IP protection degree: NPA is classified IP65.
- Extreme temperature resistance: -25°C to +70°C.
- All materials and components used are wear resistant and guarantee protection of the unit against water and dust.

OPTIONS

- Available in configuration from 2 to 12 actuators.
- One, two or three speed switches with NO and/or NC contacts.
- Mechanical interlock to prevent simultaneous operation of opposite functions.

CERTIFICATIONS

- CE marking and EAC certification.

Fill in the request form for accurate product configuration.

CERTIFICATIONS

Conformity to Community Directives	2014/35/UE Low Voltage Directive
	2006/42/CE Machinery Directive
Conformity to CE Standards	EN 60204-1 Safety of machinery - Electrical equipment of machines
	EN 60947-1 Low-voltage switchgear and controlgear
	EN 60947-5-1 Low-voltage switchgear and controlgear - Control circuit devices and switching elements - Electromechanical control circuit devices
	EN 60529 Degrees of protection provided by enclosures
Markings and homologations	EN 418 Safety of machinery - Emergency stop equipment, functional
	CE ENEC

GENERAL TECHNICAL SPECIFICATIONS

Ambient temperature	Storage -40°C/+70°C
	Operational -25°C/+70°C
IP protection degree	IP 65
Insulation category	Class II
Cable entry	2÷6 buttons: rubber cable sleeve (Ø 10÷18 mm)
	8÷12 buttons: rubber cable sleeve (Ø 17÷26 mm)
Operating positions	Any position

TECHNICAL SPECIFICATIONS OF THE MICROSWITCHES

Code	PRSL0502PI	PRSL0503PI
Utilisation category	AC 15	
Rated operational current	1.9 A	
Rated operational voltage	380 Vac	
Rated thermal current	10 A	
Rated insulation voltage	500 Vac	
Mechanical life	1x10 ⁶ operations	
Connections	Screw-type terminal	
Wires	1x2.5 mm ² , 2x1.5 mm ² (UL - (c)UL: use 60°C or 75°C copper (CU) conductor and wire 16-18 AWG)	
Tightening torque	0.8 Nm	
Microswitch type	Switch with two connecting terminals	Switch with two connecting terminals
Contacts	1NC (All NC contacts are of the positive opening operation type )	1NO
Scheme		
Markings and homologations	CE 	

Code	PRSL0504PI	PRSL0505PI
Utilisation category	AC 15	
Rated operational current	1.9 A	
Rated operational voltage	380 Vac	
Rated thermal current	10 A	
Rated insulation voltage	500 Vac	
Mechanical life	1x10 ⁶ operations	
Connections	Screw-type terminal	
Wires	1x2.5 mm ² , 2x1.5 mm ² (UL - (c)UL: use 60°C or 75°C copper (CU) conductor and wire 16-18 AWG)	
Tightening torque	0.8 Nm	
Microswitch type	One speed switch with two connecting terminals each contact	Two speed switch with two connecting terminals each contact
Contacts	1NO+1NC+1NO simultaneous (All NC contacts are of the positive opening operation type )	1NO+1NC+1NO sequenced (All NC contacts are of the positive opening operation type )
Scheme		
Markings and homologations	CE 	

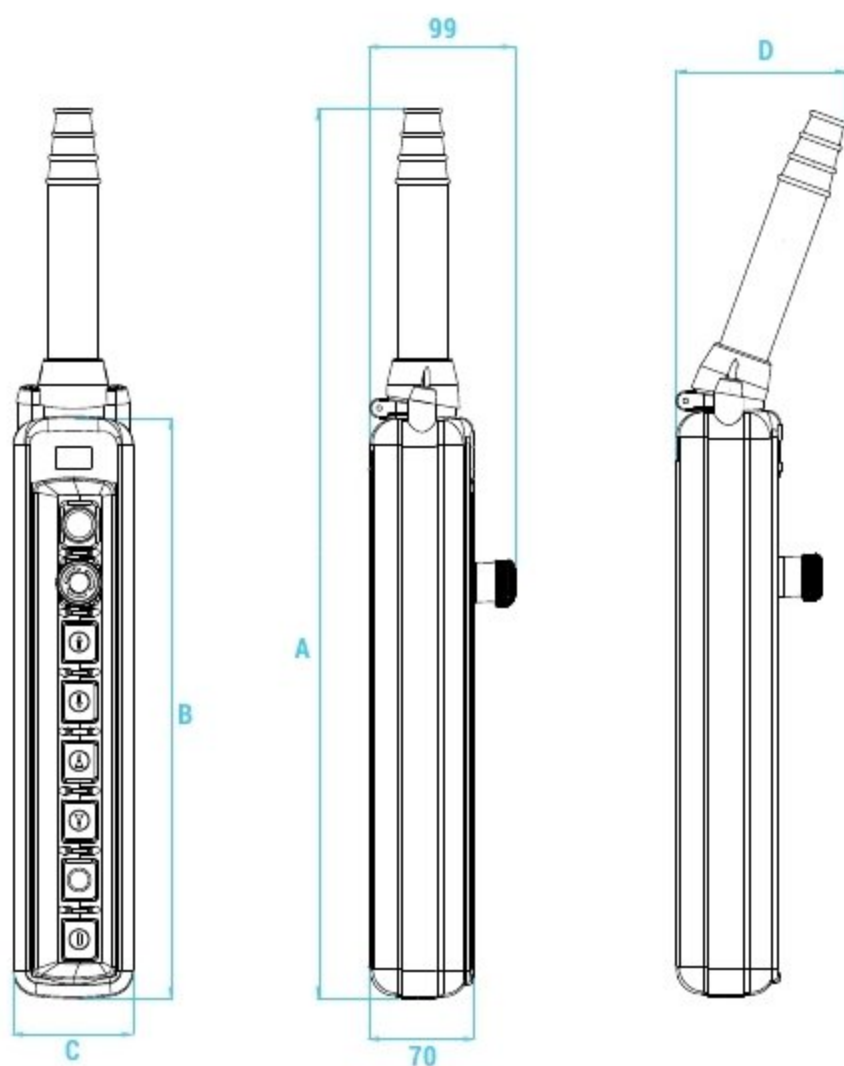
Code	PRSL0506PI	PRSL0507PI
Utilisation category	AC 15	
Rated operational current	1.9 A	
Rated operational voltage	380 Vac	
Rated thermal current	10 A	
Rated insulation voltage	500 Vac	
Mechanical life	1x10 ⁶ operations	
Connections	Screw-type terminal	
Wires	1x2.5 mm ² , 2x1.5 mm ² (UL - (c)UL: use 60°C or 75°C copper (CU) conductor and wire 16-18 AWG)	
Tightening torque	0.8 Nm	
Microswitch type	One speed switch with two connecting terminals each contact	Three speed switch with two connecting terminals each contact
Contacts	3NO simultaneous	3NO sequenced
Scheme		
Markings and homologations	CE 	

TECHNICAL SPECIFICATIONS OF THE LAMP HOLDERS

Code	PRSL0501PI
Maximum voltage	125 V
Maximum power	2.6 W
Lamp type	With bayonet coupling
Connections	Screw-type terminal
Wires	1x2.5 mm ² , 2x1.5 mm ²
Tightening torque	0.8 Nm
Markings and homologations	CE

OVERALL DIMENSIONS (mm)

2



No. of actuators	Dimensions (mm)				Weight (kg)
	A	B	C	D	
2	292	140	76	87	0.450
3	333	181	76	87	0.550
4	372	222	76	87	0.650
6	459	307	76	87	0.900
8	605	393	83	116	1.200
10	685	474	83	116	1.400
12	771	560	90	116	1.700

STANDARD CONTROL STATIONS

Standard pendant stations are equipped with cable sleeve, hook and mechanical interlock between opposite function pushbuttons.

2 actuators

PF03020005 with standard pushbutton
PF24020002 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.2 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton

PF03020014 with standard pushbutton
PF24020003 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.2 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
		Pushbutton

3 actuators

PF03030004 with standard pushbutton
PF24030004 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.2 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton

PF03030020 with standard pushbutton
PF24030003 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.2 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
		Pushbutton

4 actuators

PF03040105 with standard pushbutton
PF24040024 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0503PI 1NO 1 speed	Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.2 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton

PF03040106 with standard pushbutton
PF24040006 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0503PI 1NO 1 speed	Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.2 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
		Pushbutton

PF03040022 with standard pushbutton
PF24040001 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.4 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

PF03040030 with standard pushbutton
PF24040003 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.4 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

PF03040243 with standard pushbutton
PF24040002 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
	No.1 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
	No.2 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton

6 actuators
PF03060098 with standard pushbutton
PF24060062 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.4 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
-	-	Blanking plug

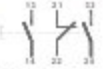
PF03060139 with standard pushbutton
PF24060011 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.4 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
-	-	Blanking plug

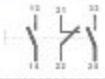
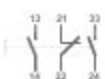
PF03060113 with standard pushbutton
PF24060063 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.2 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton  Pushbutton 
	No.2 PRSL0503PI 1NO 1 speed	Pushbutton  Pushbutton 
-	-	Blanking plug 

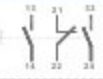
PF03060293 with standard pushbutton
PF24060029 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton  GREEN
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
		Pushbutton 
	No.4 PRSL0503PI 1NO 1 speed	Pushbutton  Pushbutton  Pushbutton 

PF03060399 with standard pushbutton
PF24060064 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton  GREEN
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
		Pushbutton 
	No.4 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton  Pushbutton  Pushbutton 

PF03060192 with standard pushbutton
PF24060031 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton  GREEN
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.2 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton  Pushbutton 
	No.2 PRSL0503PI 1NO 1 speed	Pushbutton  Pushbutton 

8 actuators

PF03080201 with standard pushbutton
PF24080044 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.6 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

PF03080471 with standard pushbutton
PF24080101 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.6 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

PF03080544 with standard pushbutton
PF24080108 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.2 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
		Pushbutton
	No.4 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

PF03080545 with standard pushbutton
PF24080107 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.4 PRSL0505PI 1NO+1NC+1NO 2 speeds	Pushbutton
		Pushbutton
		Pushbutton
	No.2 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton

10 actuators

PF03100334 with standard pushbutton
PF24100051 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.8 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

PF03100398 with standard pushbutton
PF24100072 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.3 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.6 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

PF03100399 with standard pushbutton
PF24100071 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
	No.8 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

12 actuators

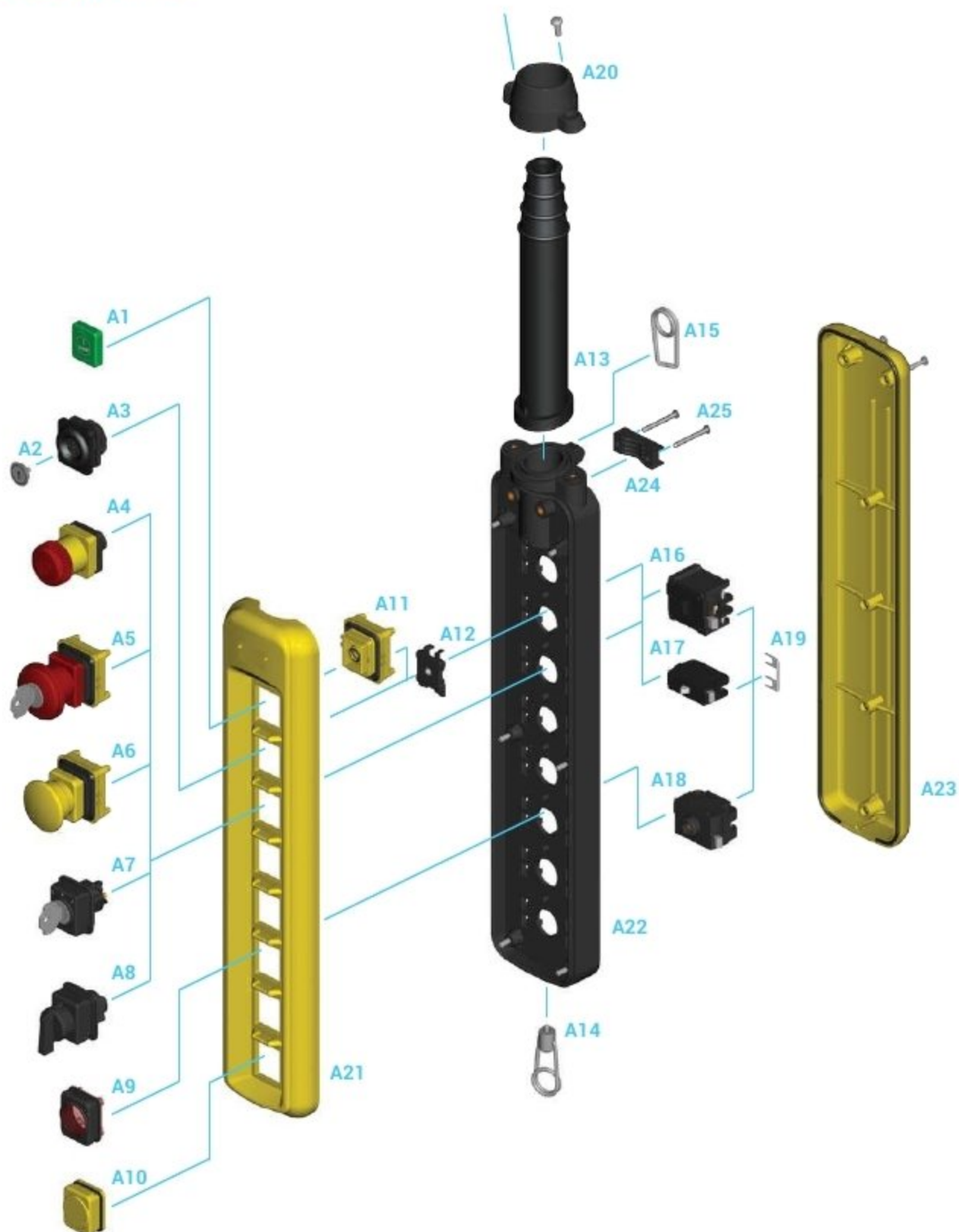
PF03120282 with standard pushbutton
PF24120031 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
	No.1 PRSL0504PI 1NO+1NC+1NO 1 speed	Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
	No.10 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

PF03120283 with standard pushbutton
PF24120032 with dust-tight pushbutton

Switch scheme	Switch type	Actuator type
		Pushbutton
	No.3 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
	No.1 PRSL0502PI 1NC	Latched mushroom pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
	No.8 PRSL0503PI 1NO 1 speed	Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton
		Pushbutton

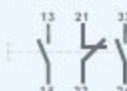
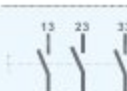
ASSEMBLY DRAWING



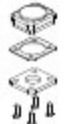
The descriptions of all the components can be found in the following charts: 'Switches', 'Actuators', 'Pilot lights', 'Mushroom pushbuttons', 'Selector switches' and 'Accessories'.

COMPONENTS

Switches

Ref.	Drawing	Description	Scheme	Code
A16		One speed, 1NO+1NC+1NO simultaneous switch		PRSL0504PI
		Two speeds, 1NO+1NC+1NO sequenced switch		PRSL0505PI
		One speed, 3NO simultaneous switch		PRSL0506PI
		Three speeds, 3NO sequenced switch		PRSL0507PI
A17		1NC switch		PRSL0502PI
		1NO switch		PRSL0503PI
A18		Lamp holder with bayonet coupling		PRSL0501PI

Actuators

Ref.	Drawing	Description	Code
A1		Pushbutton	PRTA_____PI See standard buttons
A2		Disk for dust-tight pushbutton	PRTA____PI See standard disk
A3		Dust-tight pushbutton	PRSL0550PI
A10		Blanking plug	PRSL0517PI
A11		Button housing	PRSL0518PI

Pilot lights

Ref.	Drawing	Color	Code
A9		Red	PRSL0515PI
		Green	PRSL0516PI
		Yellow	PRSL0521PI

Mushroom pushbuttons

Ref.	Drawing	Description	Code
A4		Latched mushroom pushbutton for emergency stop	PRSL0500PI
A5		Key mushroom pushbutton	PRSL0520PI
A6		Impulse mushroom pushbutton	PRSL0512PI

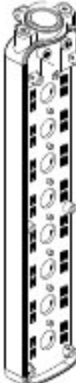
Selector switches

Ref.	Drawing	Description	Code
A7		Key selector switch - 2 or 3 maintained positions	PRSL0513PI
A8		Selector switch - 2 or 3 maintained positions	PRSL0514PI
		Selector switch - 2 or 3 spring return positions	PRSL0519PI

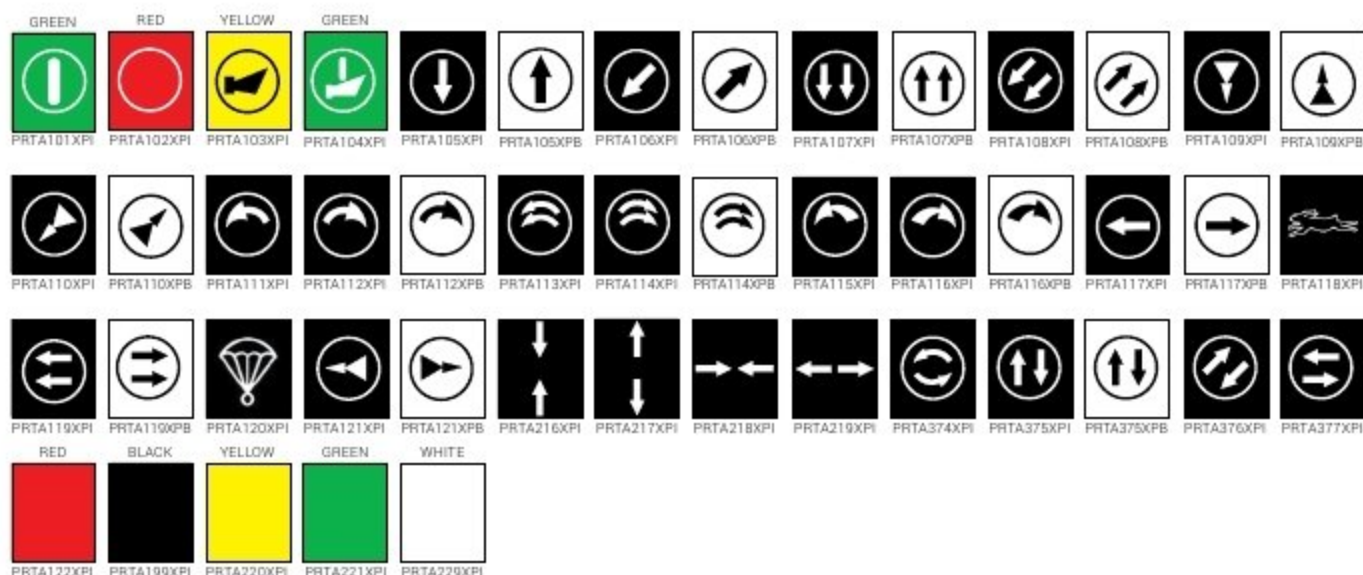
Accessories

Ref.	Drawing	Description	Code
A12		Mechanical interlock	PRSL7816PI
A13		Cable sleeve for 2 - 6 buttons units	PRGO0100PE
		Cable sleeve for 8 - 12 buttons units	PRGO0105PE
A14		Wire fixing	PRT06626PE
A15		Hook	PRGA0001PE

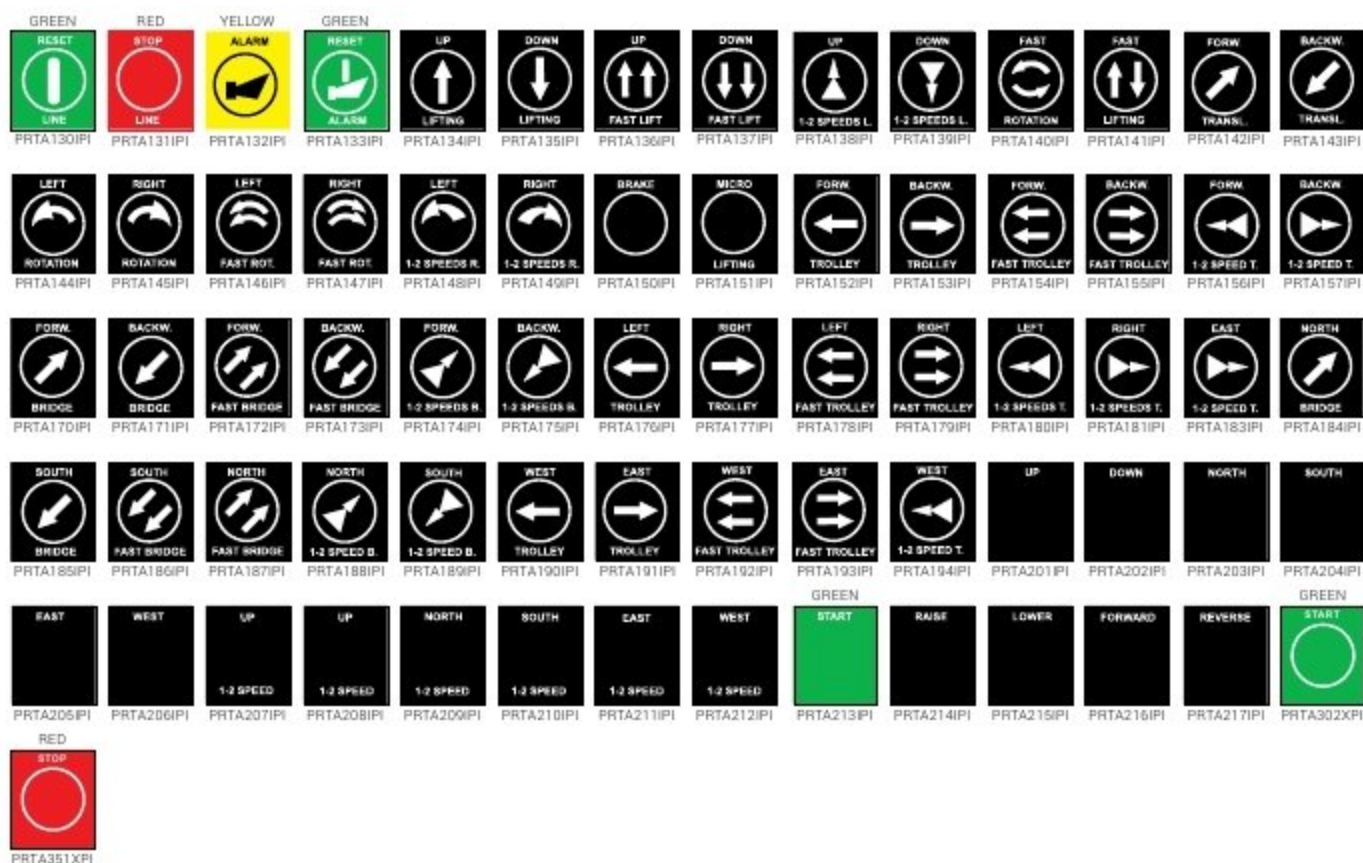
Accessories

Ref.	Drawing	Description	Code
A19		22 mm connecting bridge	PRTR6120PE
		28 mm connecting bridge	PRTR6121PE
		25 mm connecting bridge	PRTR6122PE
		31 mm connecting bridge	PRTR6123PE
		47 mm connecting bridge	PRTR6124PE
A20		Large cable sleeve holder for NPA 8-12 actuators	PRSL9740PI
		Small cable sleeve holder for NPA 2-6 actuators	PRSL9735PI
A21		Upper cover 2 buttons with tightening rubber	PRSL5810PI
		Upper cover 3 buttons with tightening rubber	PRSL5838PI
		Upper cover 4 buttons with tightening rubber	PRSL5815PI
		Upper cover 6 buttons with tightening rubber	PRSL5820PI
		Upper cover 8 buttons with tightening rubber	PRSL5825PI
		Upper cover 10 buttons with tightening rubber	PRSL5830PI
		Upper cover 12 buttons with tightening rubber	PRSL5835PI
A22		Central section 2 buttons	PRSL5811PI
		Central section 3 buttons	PRSL5839PI
		Central section 4 buttons	PRSL5816PI
		Central section 6 buttons	PRSL5821PI
		Central section 8 buttons	PRSL5826PI
		Central section 10 buttons	PRSL5831PI
		Central section 12 buttons	PRSL5836PI
A23		Lower enclosure 2 buttons with tightening rubber and screws	PRSL5812PI
		Lower enclosure 3 buttons with tightening rubber and screws	PRSL5840PI
		Lower enclosure 4 buttons with tightening rubber and screws	PRSL5817PI
		Lower enclosure 6 buttons with tightening rubber and screws	PRSL5822PI
		Lower enclosure 8 buttons with tightening rubber and screws	PRSL5827PI
		Lower enclosure 10 buttons with tightening rubber and screws	PRSL5832PI
		Lower enclosure 12 buttons with tightening rubber and screws	PRSL5837PI
A24		Cable clamp	PRSL9210AU
A25		Screws for cable clamp	PRVI0089PE

Standard buttons - Symbols



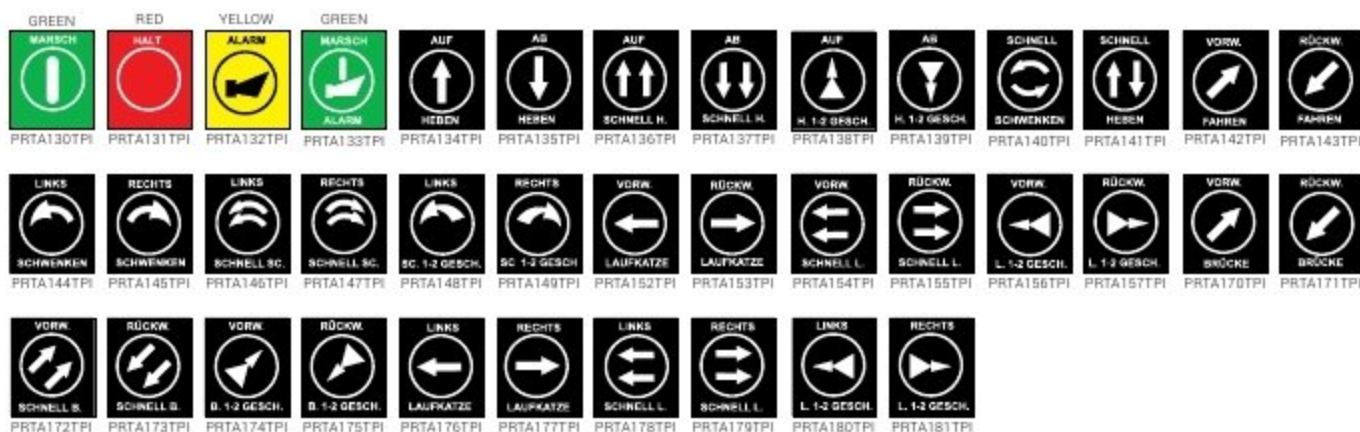
Standard buttons - English



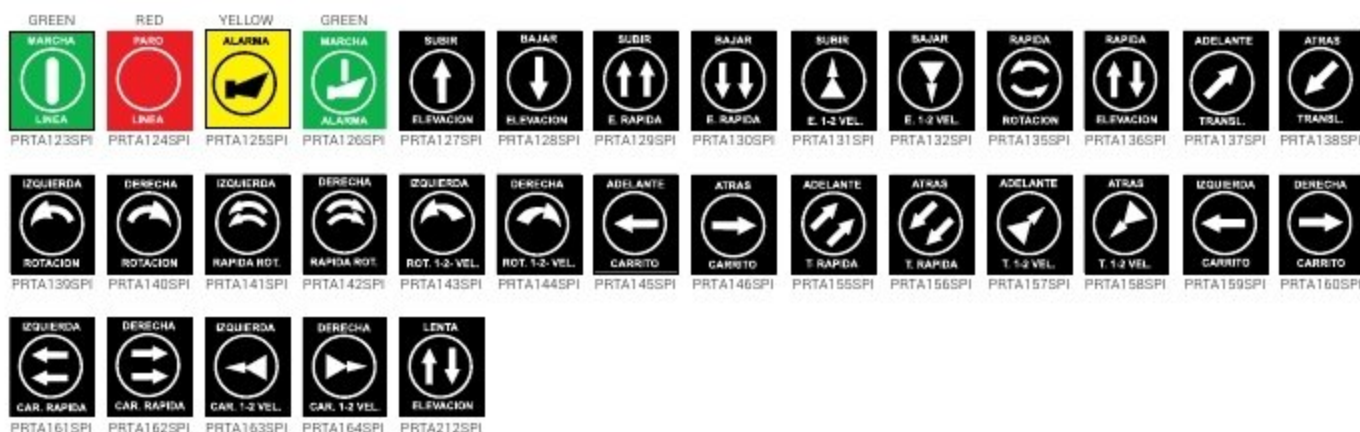
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 PRTA130FPI	 PRTA131FPI	 PRTA132FPI	 PRTA133FPI	 PRTA134FPI	 PRTA135FPI	 PRTA136FPI	 PRTA137FPI	 PRTA138FPI	 PRTA139FPI	 PRTA140FPI	 PRTA141FPI	 PRTA142FPI	 PRTA143FPI
 PRTA144FPI	 PRTA145FPI	 PRTA146FPI	 PRTA147FPI	 PRTA148FPI	 PRTA149FPI	 PRTA152FPI	 PRTA153FPI	 PRTA154FPI	 PRTA155FPI	 PRTA156FPI	 PRTA157FPI	 PRTA170FPI	 PRTA171FPI
 PRTA172FPI	 PRTA173FPI	 PRTA174FPI	 PRTA175FPI	 PRTA176FPI	 PRTA177FPI	 PRTA178FPI	 PRTA179FPI	 PRTA180FPI	 PRTA181FPI	 PRTA183FPI	 PRTA184FPI	 PRTA185FPI	 PRTA186FPI

Standard buttons - German



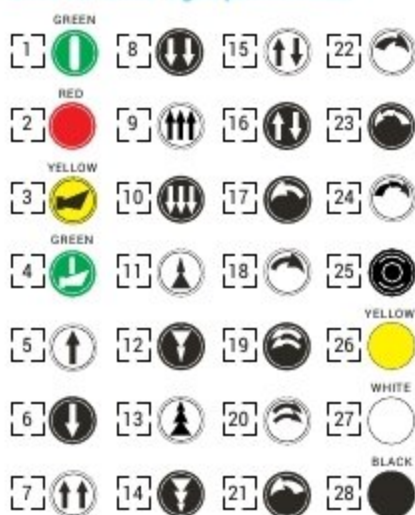
Standard buttons - Spanish



Standard disks



Disk for dust-tight pushbutton



- ☐ A PRSL0501PI Lamp holder
- ☐ B PRSL0502PI Switch 1NC
- ☐ C PRSL0503PI Switch 1NO
- ☐ D PRSL0504PI Switch 1 speed
1NO+1NC+1NO
simultaneous
- ☐ E PRSL0505PI Switch 2 speeds
1NO+1NC+1NO
sequenced
- ☐ F PRSL0506PI Switch 1 speed
3NO simultaneous
- ☐ G PRSL0507PI Switch 3 speeds
3NO sequenced

[30]	PRTAXXXXXX	Pushbutton
[31]	PRSL0517PI	Blanking plug
[32]	PRSL0500PI	Latched mushroom pushbutton for emergency stop
[33]	PRSL0512PI	Impulse mushroom pushbutton
[34]	PRSL0520PI	Key mushroom pushbutton
[35]	PRSL0513PI	2 or 3 maintained positions key selector switch
[36]	PRSL0514PI	2 or 3 maintained positions selector switch
[37]	PRSL0519PI	Spring return 2 or 3 positions selector switch
[38]	PRSL0515PI	Red pilot light
[39]	PRSL0516PI	Green pilot light
[40]	PRSL0521PI	Yellow pilot light

- Fill in the pendant station scheme for the number of control elements required (2, 3, 4, 6, 8, 10, or 12 actuators).
- Write the number corresponding to the control element required. For dust-tight pushbuttons write the number corresponding to the symbol required; for standard pushbuttons write the code number. Mark the direction of the arrow into the corresponding circle.
- Write the letters corresponding to the switches required (max. 2) into the unbroken boxes.
- Tick the box corresponding to the mechanical interlock between pushbuttons when required. ☒ MI
- Tick the appropriate box to show where the cable sleeve and the hook must be assembled (top or bottom).

Switches		Control elements
☐ ☐		 PRTA _____
	MI	
☐ ☐		 PRTA _____
	MI	
☐ ☐		 PRTA _____
	MI	
☐ ☐		 PRTA _____
	MI	
☐ ☐		 PRTA _____
	MI	
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☐ ☐		 PRTA _____
	MI	
☐ ☐		 PRTA _____
	MI	
☐ ☐		 PRTA _____
	MI	

Hook ☐

Cable sleeve ☐