

# JULIET-PK

## Joystick station



Handy and compact joystick station. Juliet PK is a user-friendly, ergonomic product, whose size and shape are the result of careful analysis of the aspects linked to daily use in modern industrial environments.

### FEATURES

- Designed for Juliet joysticks.
- Designed to facilitate maintenance, reducing down time and costs.
- Aluminium protection against accidental operation in case of impact.
- The emergency stop mushroom pushbutton complies with standard EN 418 and is positioned in the middle for intuitive operation in case of danger.
- Mechanical life of switches: 1 million operations.
- IP protection degree: Juliet PK 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

- Wide range of actuators: pushbuttons, selector switches and key-selector switches, pilot lights.
- Switches with 1NC or 1NO contacts
- The variable length strap, for waist or shoulder wear, features a quick fastening system.
- Available with customized labels and enclosures with different size holes.

### CERTIFICATIONS

- CE marking and EAC certification.

*Fill in the request form for accurate product configuration.*

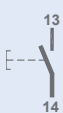

## CERTIFICATIONS

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 EAC

## 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	Cable sleeve (Ø 14÷26 mm)
Operating positions	Any position
Weight	~1.5 kg

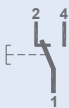
## TECHNICAL SPECIFICATIONS OF THE MICROSWITCHES

Code	PRSL1000PI	PRSL1001PI
Utilisation category		AC 15
Rated operational current		3 A
Rated operational voltage		250 Vac
Rated thermal current		10 A
Rated insulation voltage		500 Vac
Mechanical life		1x10 <sup>6</sup> operations
Connections		Screw-type terminal
Wires	1x2.5 mm <sup>2</sup> , 2x1.5 mm <sup>2</sup> (UL - (c)UL: use 60°C or 75°C copper (CU) conductor and wire 16-18 AWG)	
Tightening torque	0.6 Nm	
Microswitch type	Double break, slow action	Double break, slow action
Contacts	1NO	1NC (All NC contacts are of the positive opening operation type ⤴)
Scheme		
Markings and homologations	CE cULus EAC	

## TECHNICAL SPECIFICATIONS OF THE LAMP HOLDERS

Code	PRSL1004PI
Maximum voltage	125 V
Maximum power	2,6 W
Lamp type	T5.5K 22 mm
Connections	Screw-type terminal
Wires	1x2.5 mm <sup>2</sup> , 2x1.5 mm <sup>2</sup>
Tightening torque	0.6 Nm
Markings and homologations	CE

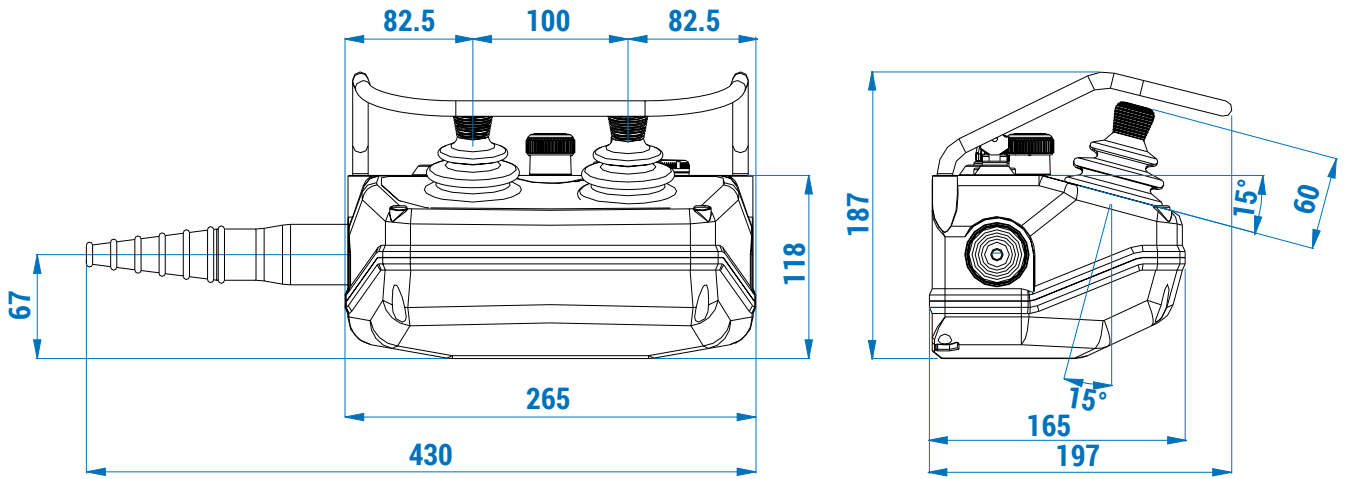
## TECHNICAL SPECIFICATIONS OF THE MICROSWITCHES (JOYSTICK)

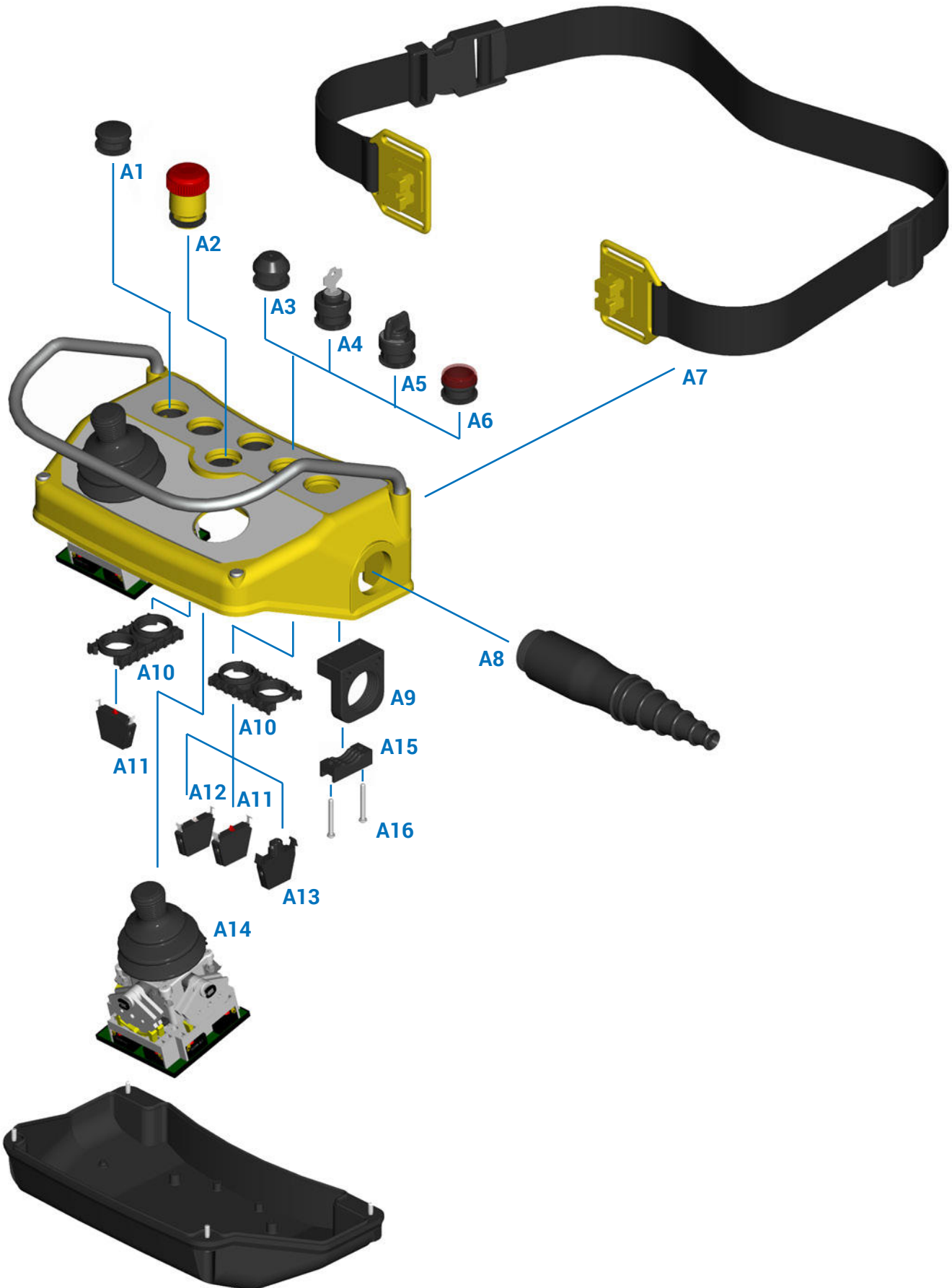
Code	PRVV0804PE
Utilisation category	AC 15
Rated thermal current	8 A
Rated insulation voltage	1000 Vac
Mechanical life	5x10 <sup>6</sup> operations
Connections	Screw-type terminal
Wires	0.14 mm <sup>2</sup> - 1.5 mm <sup>2</sup>
Tightening torque	0.22 Nm - 0.25 Nm
Microswitch type	Single break
Contacts	1NO+1NC change-over contacts
Scheme	
Markings and homologations	CE

## TECHNICAL SPECIFICATIONS OF THE POTENTIOMETERS (JOYSTICK)

Code	PRVV9021PE	PRVV9026PE
Ohmic value	5 kΩ	10 kΩ
Connections	4 turrets	
Independent linearity (over AEA -3°)	≤ ±1%	
Life time	5x10 <sup>6</sup> movements	
Operational ambient temperature	-55 °C/+125 °C	
Mechanical angle	360° continuous	
Actual Electrical Angle (AEA)	340°±5°	
Ohmic value tolerance	Max ±20% at 20°C	
Dissipation	0.3 W	

OVERALL DIMENSIONS (mm)












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

## COMPONENTS


### Switches

Ref.	Drawing	Description	Scheme	Code
A11		1NC single switch		PRSL1001PI
A12		1NO single switch		PRSL1000PI
A13		Lamp holder	-	PRSL1004PI


### Actuators

Ref.	Drawing	Description	Code
A1		Blanking plug	PRSL1023PI
A3		Pushbutton	PRTS000001



### Pilot lights

Ref.	Drawing	Color	Code
A6		Red	PRSL1012PI
		Yellow	PRSL1013PI
		Green	PRSL1014PI

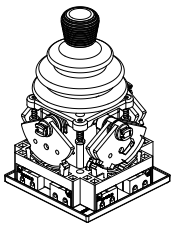
### Mushroom pushbuttons

Ref.	Drawing	Description	Code
A2		Latched mushroom pushbutton for emergency stop	PRSL1009PI

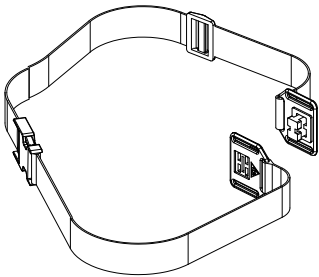
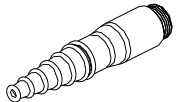




### Selector switches

Ref.	Drawing	Positions	Spring return	Maintained positions	Pull-out position	Code
A4		0/1		X	0	PRSL1017PI
		0/1	X		0	PRSL1024PI
A5		0/1	X			PRSL1015PI
		0/1		X		PRSL1016PI
		1/0/2	X			PRSL1026PI
		1/0/2		X		PRSL1027PI

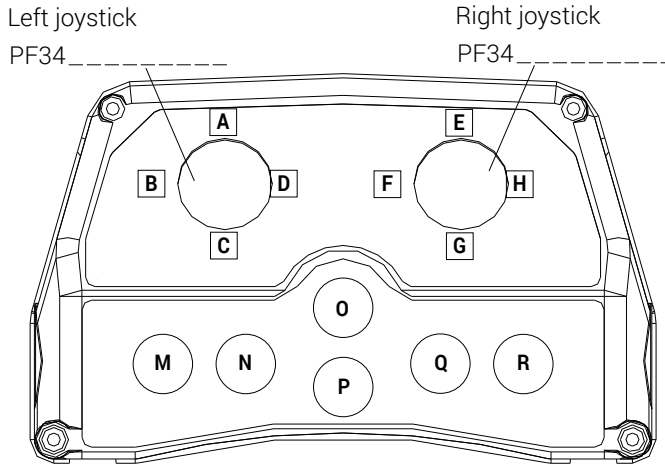
## Joysticks

Ref.	Drawing	Description	Code
A14		Joystick Juliet	PF34_----- Refer to joystick Juliet documentation

## Accessories

Ref.	Drawing	Description	Code
A7		Waist strap	PRSL0160PE
		Shoulder strap	PRSL0161PE
A8		Cable sleeve	PRSL0145PE
A9		Cable sleeve holder	PRSL9207PI
A10		Holding plate for 3+3 switches	PRSL8736PI
A15		Cable clamp	PRSL9210AU
A16		Screws for cable clamp	PRVI0089PE

# JULIET-PK - REQUEST FORM FOR JOYSTICK STATION



### Control elements and switches

	Control element	Switches
M	_____	_____
N	_____	_____
O	_____	_____
P	_____	_____
Q	_____	_____
R	_____	_____

### Joystick label

	Text
A	_____
B	_____
C	_____
D	_____
E	_____
F	_____
G	_____
H	_____

### Control element label

	Symbol	Label color	Text
M	_____	_____	_____
N	_____	_____	_____
O	_____	_____	_____
P	_____	_____	_____
Q	_____	_____	_____
R	_____	_____	_____

### Control elements

- 1 PRSL1009PI Mushroom pushbutton
- 2 PRTS000001 Single pushbutton
- 3 PRSL1023PI Blanking plug
- 4 PRSL1012PI Red pilot light
- 5 PRSL1013PI Yellow pilot light
- 6 PRSL1014PI Green pilot light
- 7 PRSL1015PI Selector switch 0/1 spring return
- 8 PRSL1016PI Selector switch 0/1 maintained positions
- 9 PRSL1026PI Selector switch 1/0/2 spring return
- 10 PRSL1027PI Selector switch 1/0/2 maintained positions
- 11 PRSL1017PI Key selector switch 0/1 maintained positions
- 12 PRSL1024PI Key selector switch 0/1 spring return

### Switches

- 20 PRSL1000PI 1NO
- 21 PRSL1001PI 1NC
- 22 PRSL1004PI Lamp holder

### Symbols and colors of control element label

30	31	32	33
34	40	41	42
43	44		

### Position of cable sleeve

- Right
- Left

### Instructions

- Write the code number of the left and right Juliet joysticks required.
- Write the number or the code corresponding to the control elements and switches (max 3) required in each position. ATTENTION: mushroom pushbutton PRSL1009PI can be placed only in the O position.
- Write the text required on the label for each position of the joystick.
- Write the symbol, the color and the text required on the label for each control element.
- Tick the appropriate box to show where the cable sleeve must be assembled.