



Small-sized, compact and handy joystick for control of industrial machines.
Juliet is a user-friendly, ergonomic product, suitable for daily use in an industrial environment.

FEATURES

- Designed to facilitate maintenance, reducing down time and costs: the switches are assembled on pull-out or fixed terminal boards.
- Light and handy: weight 250 grams.
- Mechanical life of switches: 5 million operations.
- IP protection degree: Juliet is classified IP00 or IP65, when housed in Juliet-PK or in a specific enclosure.
- Extreme temperature resistance: -25°C to +70°C.

OPTIONS

- Available with up to 5 speeds for each direction.
- Stepped or linear operations.
- Cross or 360° movement.
- Available with terminal boards or potentiometers.

CERTIFICATIONS

- CE marking and EAC certification.

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

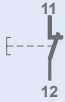
CERTIFICATIONS

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
Marcature e omologazioni	CE ENEC

GENERAL TECHNICAL SPECIFICATIONS

Ambient temperature	Storage -40°C/+70°C
	Operational -25°C/+70°C
IP protection degree	IP 00 (IP 65 max. when assembled in Juliet-PK or in a specific enclosure)
Operating positions	Any position
Weight	250 g

TECHNICAL SPECIFICATIONS OF THE SWITCHES

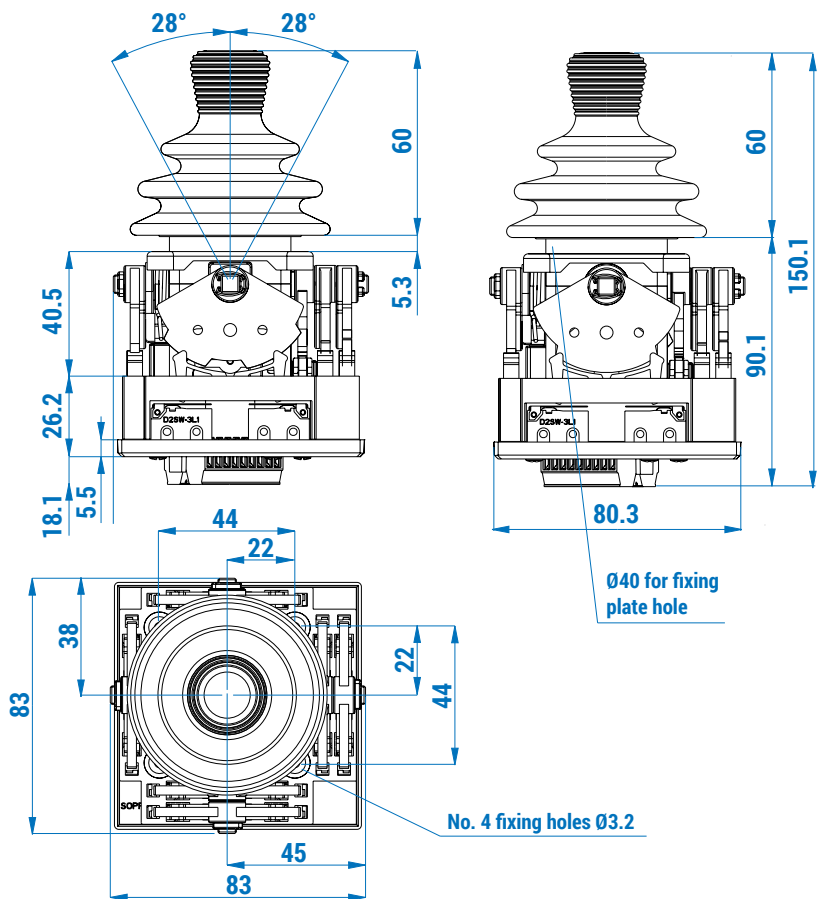
Code	PRVV0804PE
Utilisation category	AC 15
Rated operational current	2 A
Rated operational voltage	48 Vac
Rated thermal current	8 A
Rated insulation voltage	1000 Vac
Mechanical life	5x10 ⁶ operations
Connections	Screw-type terminals
Wires	0.14 mm ² - 1.5 mm ²
Tightening torque	0.22 Nm - 0.25 Nm
Microswitch type	Single break
Contacts	1NC
Scheme	
Markings and homologations	CE

TECHNICAL SPECIFICATIONS OF THE POTENTIOMETERS

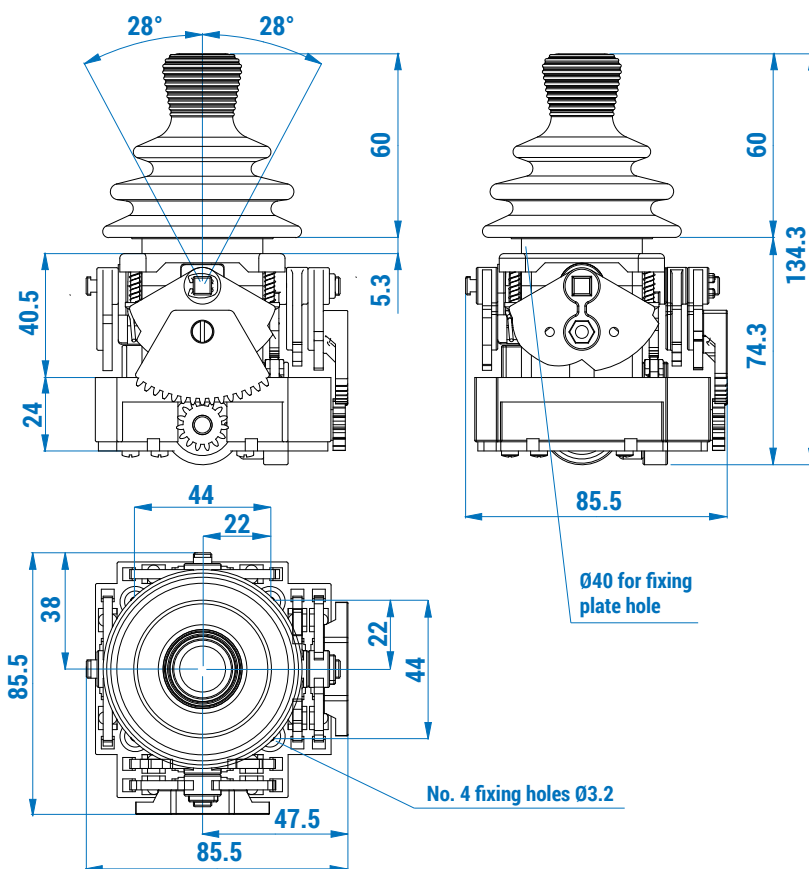
Code	PRVV9021PE	PRVV9026PE
Ohmic value	5 kΩ	10 kΩ
Connections	4 turrets	
Independent linearity (over AEA -3°)	≤ ±1%	
Life time	5x10 ⁶ movements	
Operational ambient temperature	-55 °C/+125 °C	
Mechanical angle	360° continuous	
Actual Electrical Angle (AEA)	340°±5°	
Ohmic value tolerance	Max ±2% at 20°C	
Dissipation	0.3 W	

OVERALL DIMENSIONS (mm)

Standard




With potentiometer

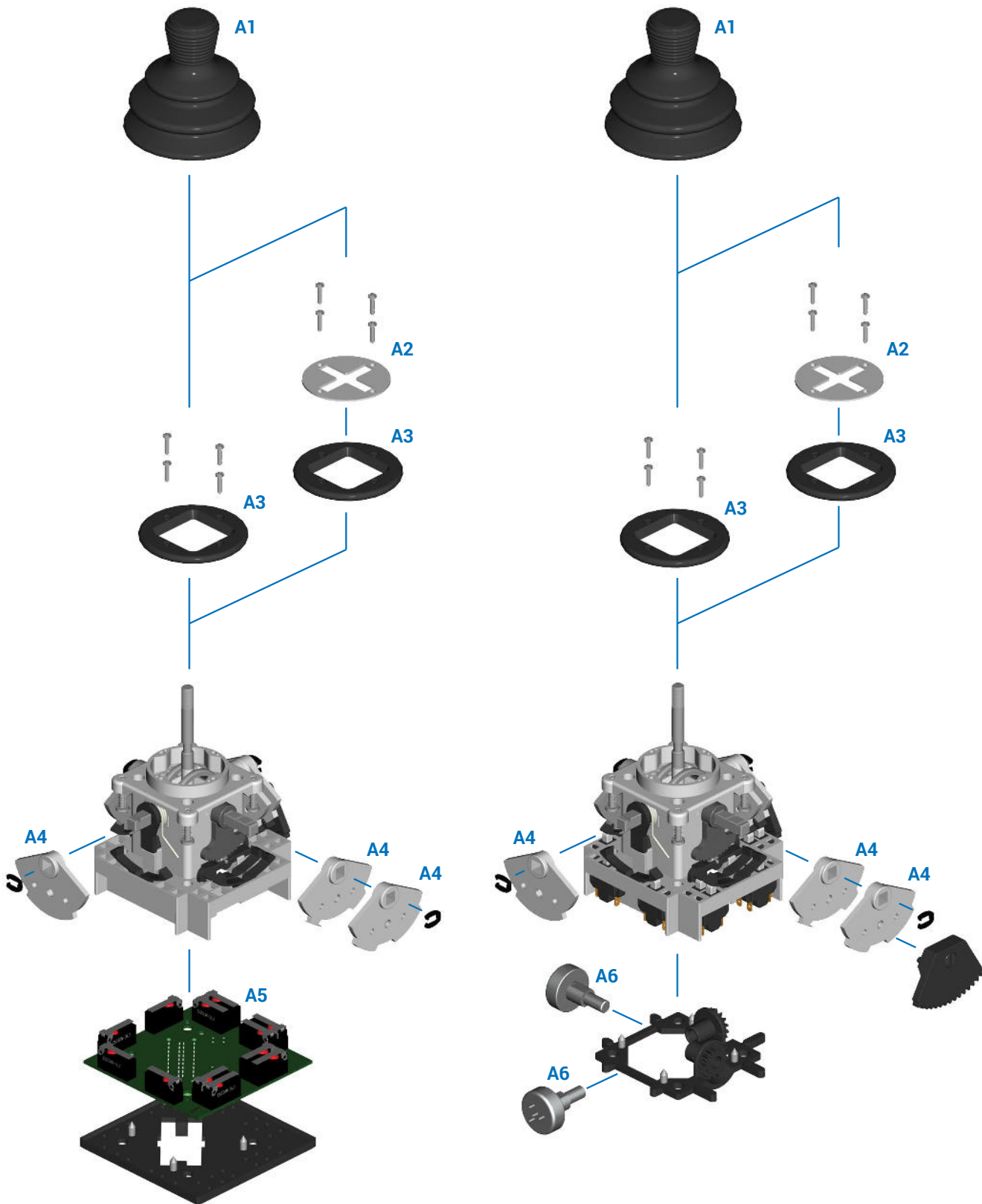


STANDARD JOYSTICKS

Juliet standard joysticks feature spring return stepped movement and they are equipped with 1NC switches

PRVV0804PE  and fixed terminal board.

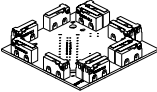
Positions	Direction of movement		Code
	360°	Cross	
1-0		X	PF340210000004
1-1	X		PF340211000001
1-2	X		PF340212000001
1-3		X	PF340213000001
2-0		X	PF340220000004
2-2	X		PF340222000001
2-3	X		PF340223000001
3-0		X	PF340230000004
3-3	X		PF340233000001
3-3		X	PF340233000004
4-0		X	PF340240000004
1-5	X		PF340215000001
3-5	X		PF340235000001
5-5	X		PF340255000001
5-5		X	PF340255000004



Refer to the following tables for descriptions of components: "Switch boards", "Potentiometers", "Lever guides", "Cams" and "Accessories".

COMPONENTS



Switch boards

Ref.	Drawing	Description	Code
A5		12 switch board with fixed terminal board - 5 positions	93547
		8 switch board with fixed terminal board - 3 positions	93558


Potentiometers

Ref.	Drawing	Description	Code
A6		Potentiometer 5 kΩ	PRVV9021PE
		Potentiometer 10 kΩ	PRVV9026PE

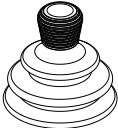
Lever guides

Ref.	Drawing	Description	Code
A2		Cross lever guide	PRTR0160PE
		Lever guide 3-0	PRSL9824PI
		Lever guide 5-4	PRSL9825PI
		Lever guide 3-3	PRSL9826PI
		Lever guide 5-2	PRSL9828PI
		Lever guide 5-5	PRSL9830PI
		Lever guide 5-0	PRSL9834PI
		Lever guide 4-0	PRSL9835PI
		Lever guide 1-3	PRSL9838PI
		Lever guide 1-5	PRSL9839PI
A3		Lever guide 3-2	PRSL9841PI
		Lever guide 3-5	PRSL9842PI
		Lever guide 2-4	PRSL9843PI
		Lever guide 4-1	PRSL9844PI
		Lever guide 3-4	PRSL9845PI
		Lever guide 4-4	PRSL9849PI
		Lever guide 1-1	PRSL9871PI
		Lever guide 1-0	PRSL9872PI
		Lever guide 1-2	PRSL9873PI
		Lever guide 2-2	PRSL9876PI
	Lever guide 2-0	PRSL9880PI	

Cams

Ref.	Drawing	Description	Code
A4		Cam 1 st step	PRSL7300PI
		Cam 2 nd -3 rd steps	PRSL7301PI
		Cam 4 th -5 th steps	PRSL7302PI

Accessories

Ref.	Drawing	Description	Code
A1		Bellows	PRSL0173PI

JULIET - REQUEST FORM FOR NON STANDARD JOYSTICK

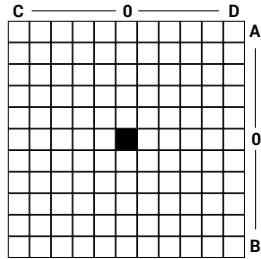
Movement

Stepped

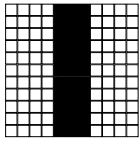
Linear

Lever guide

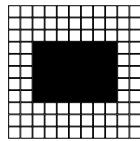
Number of steps in each direction



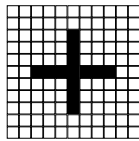
Examples



5 steps direction A-B
1 step direction C-D
360° movement

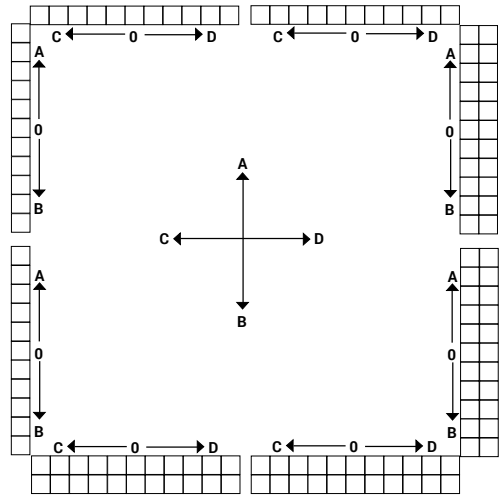


2 steps direction A-B
3 steps direction C-D
360° movement



3 steps direction A-B
3 steps direction C-D
Cross movement

Joystick with terminal board



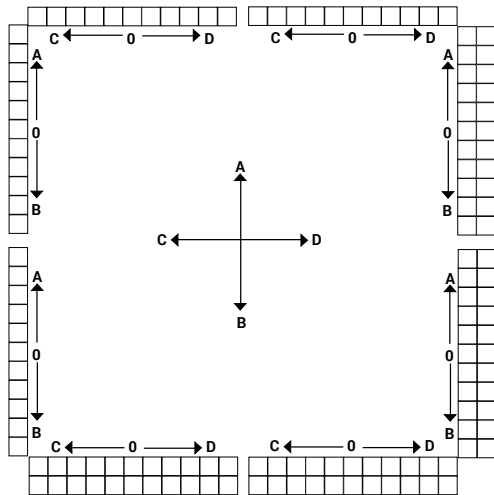
Joystick with potentiometers

Potentiometers

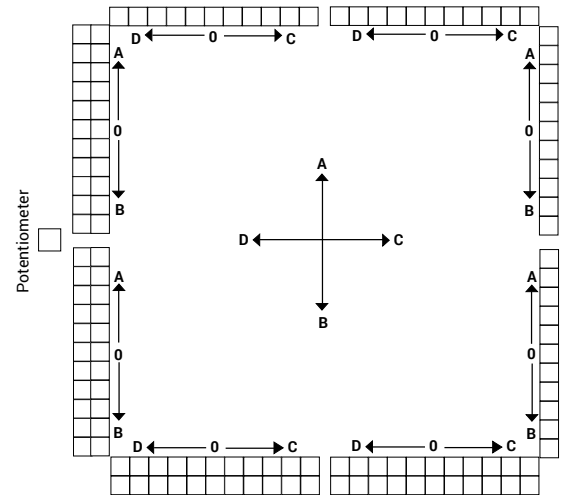
1 5 kΩ

2 10 kΩ

3 Pre-set only



Potentiometer



Potentiometer

Instructions

- Tick the box corresponding to the type of movement required.
- Choose the type of lever guide required blackening the boxes corresponding to the number of steps of the lever in each direction.
- In case of potentiometers, write the number corresponding to the potentiometer.
- Fill in the contact scheme blackening the boxes corresponding to the positions where the cams close the contacts (each bar of 11 boxes corresponds to a switch; the central box corresponds to the zero position of the joystick). In the example, the contact is closed in positions 1-2-3 to the left and 3-4 to the right.

