metreel

6100/6200 **Footswitch**



Footswitch for auxiliary control of industrial machines. It acts on the machine motor through a power interface, such as a contactor.

FEATURES

- 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: footswitch 6100/6200 is classified
- Extreme temperature resistance: -25°C to +70°C.
- · Made of plastic material or die-cast aluminium.
- · Materials and components are shock and wear resistant.

CERTIFICATIONS

· CE marking.

OPTIONS

- Available with standard protection cover or large cover for safety shoes (6100 version).
- · Single or double footswitches fixed on a metal plate, with emergency mushroom pushbutton.
- · Special footswitch design for pneumatic valve with fixing plate (6100 version).
- It may be fitted with "lock-release" device used for keeping the pedal pressed or with safety device to prevent accidental
- Snap or slow action switches with 1NO+1NC contacts, or slow action switches with 2NO+2NC contacts.

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

CERTIFICATIONS

Conformity to Community Directives	2014/35/UE Low Voltage Directive
Conformity to Community Directives	2006/42/CE Machinery Directive
	EN 60204-1 Safety of machinery - Electrical equipment of machines
	EN 60947-1 Low-voltage switchgear and controlgear
Conformity to CE Standards	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
	EN 418 Safety of machinery - Emergency stop equipment, functional
Markings and homologations	(€

GENERAL TECHNICAL SPECIFICATIONS

Ambient temperature	Storage -40°C/+70°C
Ambient temperature	Operational -25°C/+70°C
IP protection degree	IP 53
Insulation category	Class I
Cable entry	Cable clamps M20

TECHNICAL SPECIFICATIONS OF THE SWITCHES

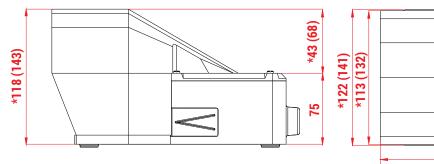
Code	PRSL0036XX	PRSL0045PI	PRSL0047PI			
Utilisation category	AC15	AC	15			
Rated operational current	3 A	1,9	9 A			
Rated operational voltage	250 Vac	380	Vac			
Rated thermal current	10 A	10) A			
Rated insulation voltage	300 Vac	500 Vac				
Mechanical life		1x10 ⁶ operations				
Connections		Screw-type terminals				
Wires	(UL - (c)UL: use 60°	1x2.5 mm², 2x1.5 mm² C or 75°C copper (CU) conductor a	nd wire 16-18 AWG)			
Tightening torque		0.8 Nm				
Microswitch type	Double break, snap action	Double break, slow action	Double break, slow action			
Contacts	1NO+1NC (All NC contacts are of the positive opening operation type	1NO+1NC	2NO+2NC			
Scheme	13 21 1 1 14 22	E 14 22	13 23 31 41 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Markings and homologations	C € c@us [H[CE	c (L) us			

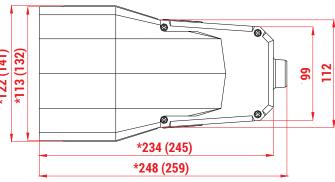


FOOTSWITCH 6100 - OVERALL DIMENSIONS (mm)

Simple

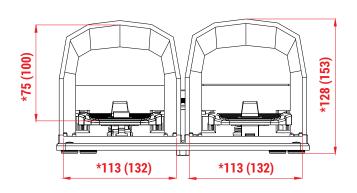
- * with standard protection
- () with large protection

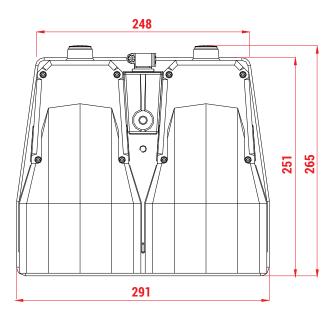




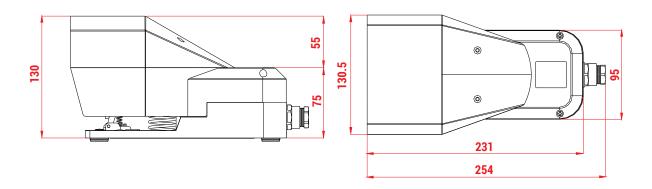
Double

- * with standard protection
- () with large protection

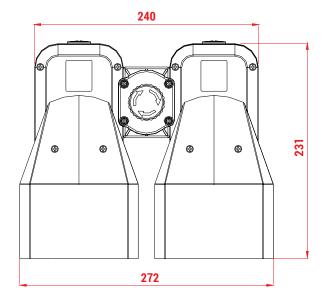


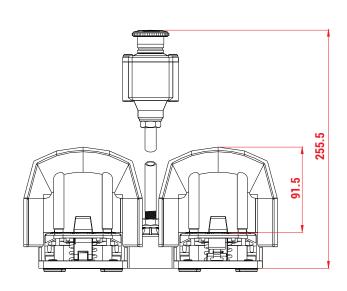


Simple



Double





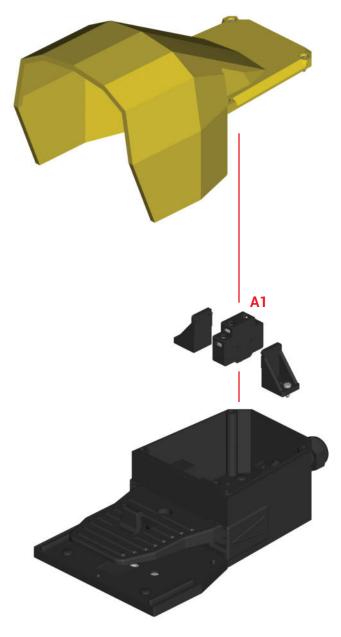
STANDARD 6100 FOOTSWITCHES

	Footsv	vitch type		Protec	tion	No. of switches	1		
Material	Simple	Double	For valves	Standard	Large	PRSL0036XX 1NO+1NC snap action	PRSL0045PI 1NO+1NC slow action	PRSL0047PI 2NO+2NC slow action	Code
-	Χ	-			Χ	1	•		PF04612100
	Χ			•	Χ	2			PF04612200
	Χ	***************************************		•	Χ	3			PF04612300
	Χ				Χ		1		PF04612500
	Χ	•		•	Χ			1	PF04612600
	Χ			•	Χ		1	1	PF04612700
	Χ				Χ			2	PF04612800
Plastic		Χ			Χ	2			PF04613100
		Χ		•	Χ	4			PF04613200
		Χ	-	-	Χ		2		PF04613300
		X		•	Χ			2	PF04613400
		Χ		•	Χ			4	PF04613500
	Χ		Χ	Х	-				PF04814100
	Χ		Χ		Χ				PF04814600
	Χ	•		Χ		1			PF04615100
	Χ	-		Χ	-	2			PF04615200
	Χ	-		Χ		3			PF04615300
	Χ	-	-	Χ			1		PF04615500
	Χ	•		Χ	-			1	PF04615600
	Χ			Х	-		1	1	PF04615700
	X			Χ				2	PF04615800
		Χ		Χ		2	-		PF04616100
	-	Χ		Χ	-	4			PF04616200
		Χ		Χ			2		PF04616300
		X		Х	-			2	PF04616400
		Χ		Χ	-			4	PF04616500
Aluminium	Χ	***************************************			Χ	1			PF04617100
	Χ	-	-		Χ	2	-		PF04617200
	Χ	•		•	Χ	3			PF04617300
	Χ	-	_		Х		1		PF04617500
	Χ				Х	_		1	PF04617600
	Χ	•			Χ		1	1	PF04617700
	Χ	-			X	-	•	2	PF04617800
		Χ	-		Х	2			PF04618100
		X			X	4		-	PF04618200
		X	•		Χ	-	2	-	PF04618300
	•	Χ			Χ			2	PF04618400
		Χ			Χ			4	PF04618500
	•	•				•		•	•

STANDARD 6200 FOOTSWITCHES

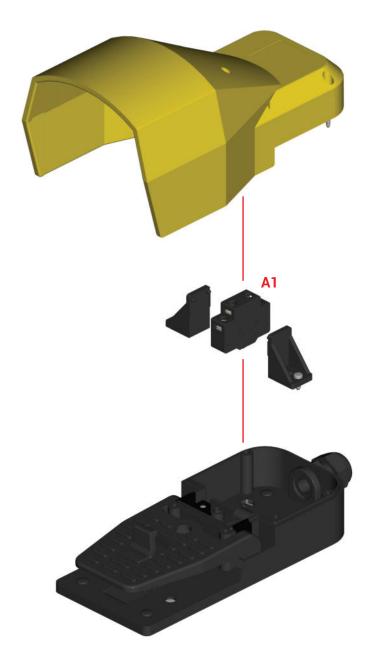
Footswitch type		No. of switches	No. of switches			
Simple	Double	PRSL0036XX 1NO+1NC snap action	PRSL0045PI 1NO+1NC slow action	PRSL0047PI 2NO+2NC slow action	Code	
Χ		1			PF18620010	
Χ	_	2			PF18620025	
Χ	_		1		PF18620037	
Χ	_			1	PF18620050	
	X	2			PF18620053	
	X	4			PF18620054	
	X		2		PF18620055	
	X			2	PF18620056	

6100 FOOTSWITCH - ASSEMBLY DRAWING





6200 FOOTSWITCH - ASSEMBLY DRAWING



Refer to the following table for descriptions of components: "Switches".

COMPONENTS

Switches

Ref.	Drawing	Description	Scheme	Code
A1		1NO+1NC snap action switch	13 21 14 22	PRSL0036XX
		1NO+1NC slow action switch	13 21 1 L 1 L 14 22	PRSL0045PI
		2NO+2NC slow action switch	13 23 31 41 14 24 32 42	PRSL0047PI

6100/6200 - REQUEST FORM FOR NON STANDARD FOOTSWITCH

Pedal Footswitch type With safety device 6100 Simple Without safety device 6100 Double With lock-release device 6200 Simple 6200 Double Instructions Protection for 6100 footswitch* Standard aluminium

- Large aluminium
- Large plastic
- * 6200 footswitch is always equipped with standard plastic protection.

Switches

Remarks

- 1NO+1NC snap action
- 1NO+1NC slow action
- 2NO+2NC slow action

- Tick the box corresponding to the type of footswitch required.
- Tick the boxes corresponding to the type of protection required (only for 6100 footswitch).
- Write the number and type of switches required (max. 3 snap action switches and max. 2 slow action switches). It is not possible to assemble both snap and slow action switches on the same footswitch.
- Tick the box corresponding to the type of pedal required.

UK Distributor



Tel: 0115 932 7010 | Email: sales@metreel.co.uk www.metreel.co.uk