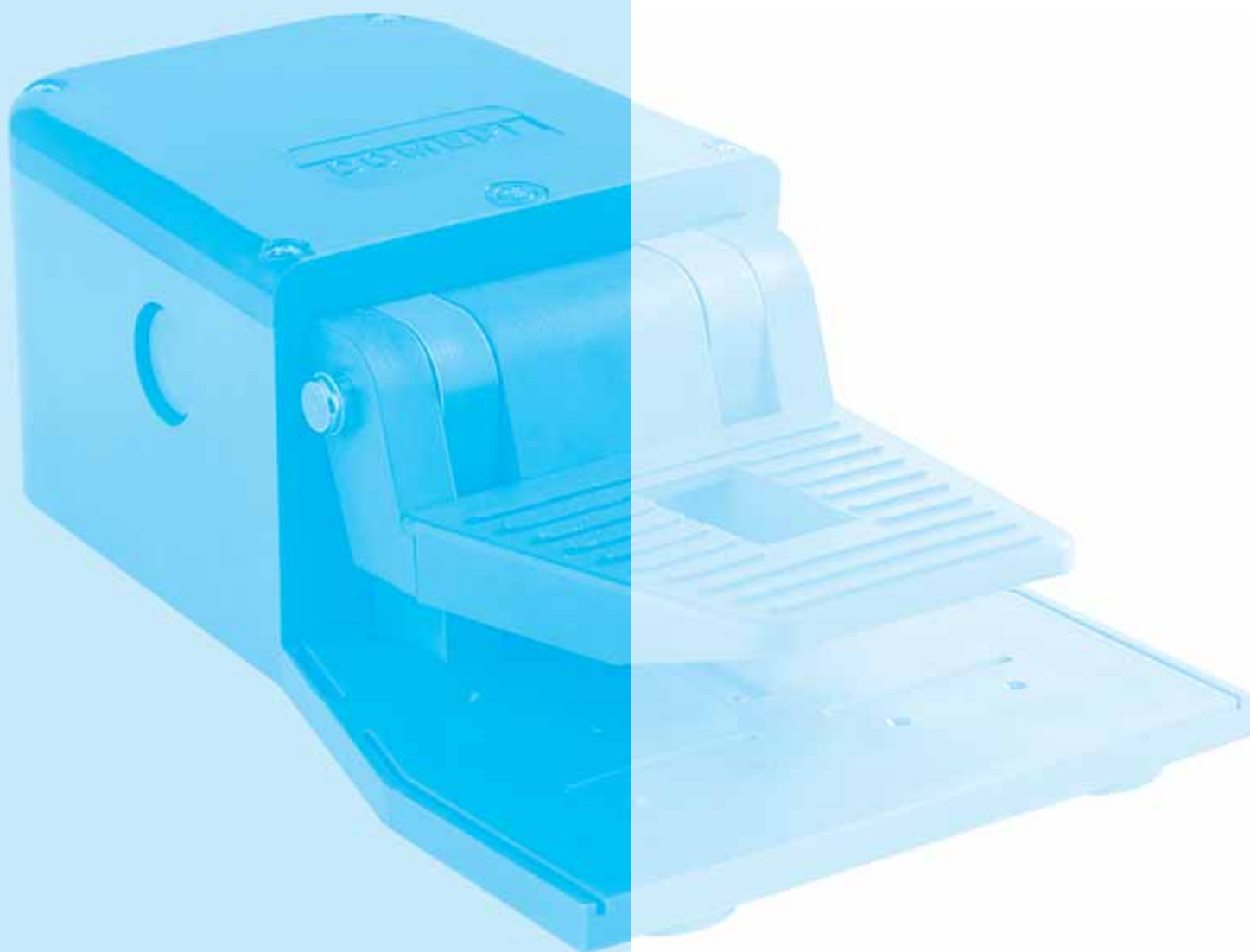




# FOOT SWITCHES



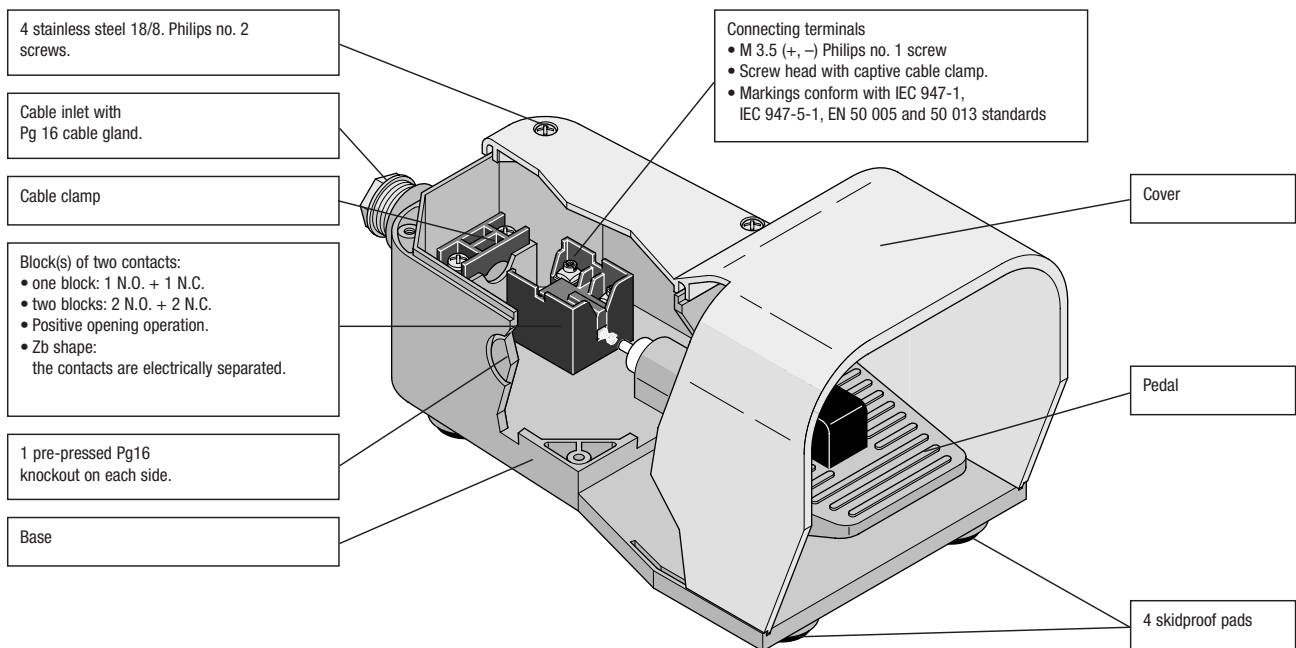
### Applications

Foot switch operated machines such as: shearing machines, spinning machines, spinning lathers, machine tools, wrapping machines, riveting presses, etc. Foot switches come in three operation formats:

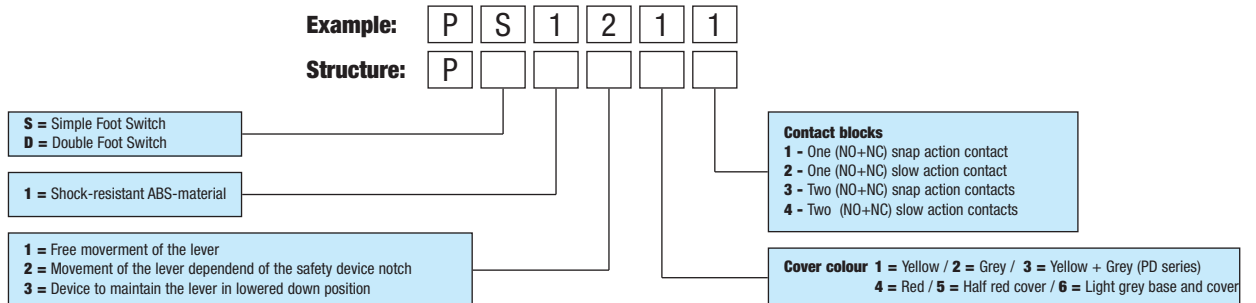
- **Free movement:** contact position follows pedal movement: actuated when the pedal is pushed down, released when pedal is in state of rest.
- **Foot switch locked in neutral position:** same operation as above, after unlocking the pedal with the end of the foot.
- **Foot switch latched in low position:** same operation as free movement, excepted that a state of rest is obtained only after having unlatched the pedal with the end of the foot.

### Description of PS... or PD... Foot Switches

- **Dimensions:** 285 x 140 x 145mm.
- **Materials:** base, cover and pedal made of shock resistant ABS material.
- **Colour choice:** grey base; grey, yellow or red cover.
- **Variations:** grey base, half-red cover. Especially used for emergency stop function.

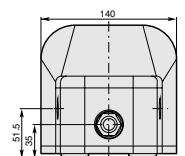
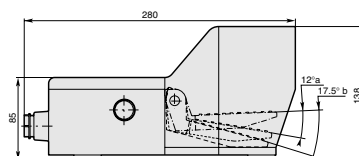


### Symbols



### Dimensions (in mm)

**Note:** It is possible to order the UL approved version by adding \*V0 to the symbols shown above (Ex. PS1211/V0)

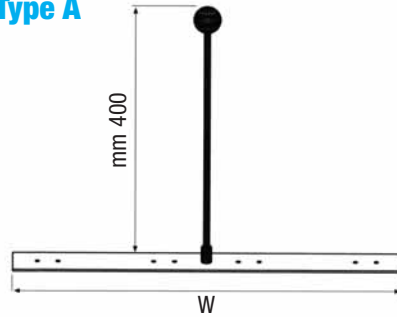


## Carrying Rod Kits

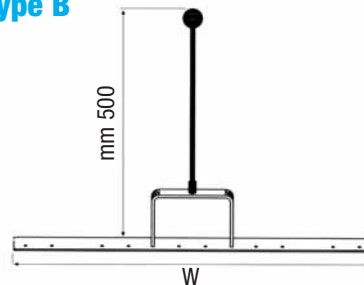
### Example of application



### Type A



### Type B

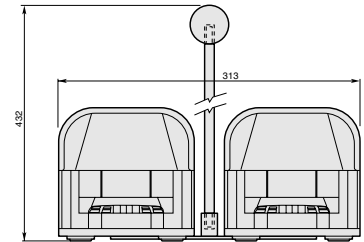


Order Code	Description	W (mm)	Type
PD1000	Max 2 Foot Switches*	350	A
PD1001	Max 3 Foot Switches*	520	B
PD1002	Max 4 Foot Switches*	700	A
PD1003	Max 5 Foot Switches*	850	B

\* Foot Switches not included

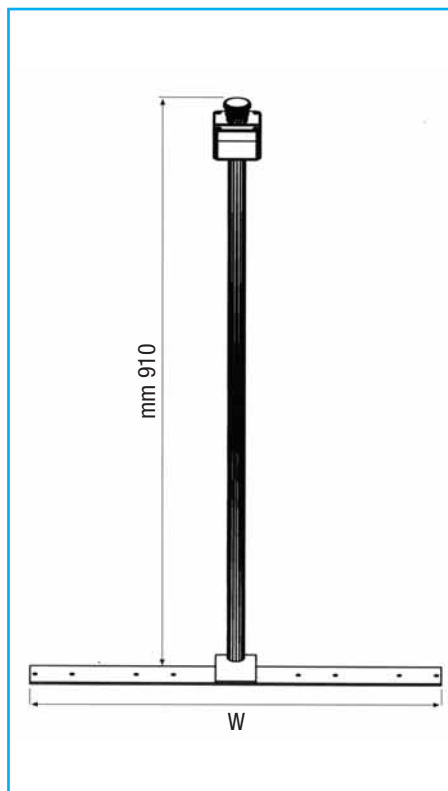
Note: Each carrying rod kit includes necessary fixing screws and cable glands for the specified number of foot switches.

### Example of double foot switch application



## Metal Steel Frame

### Example of application



Order Code	Description	W (mm)
GR2025	For 1 Foot Switch only*	230
GR2026	Max 2 Foot Switches*	350
GR2027	Max 3 Foot Switches*	530
GR2028	Max 4 Foot Switches*	700

\* Foot Switches not included

**Attention!**  
Push button and plastic box not included: please consult our "Control Units Ø22" catalog.

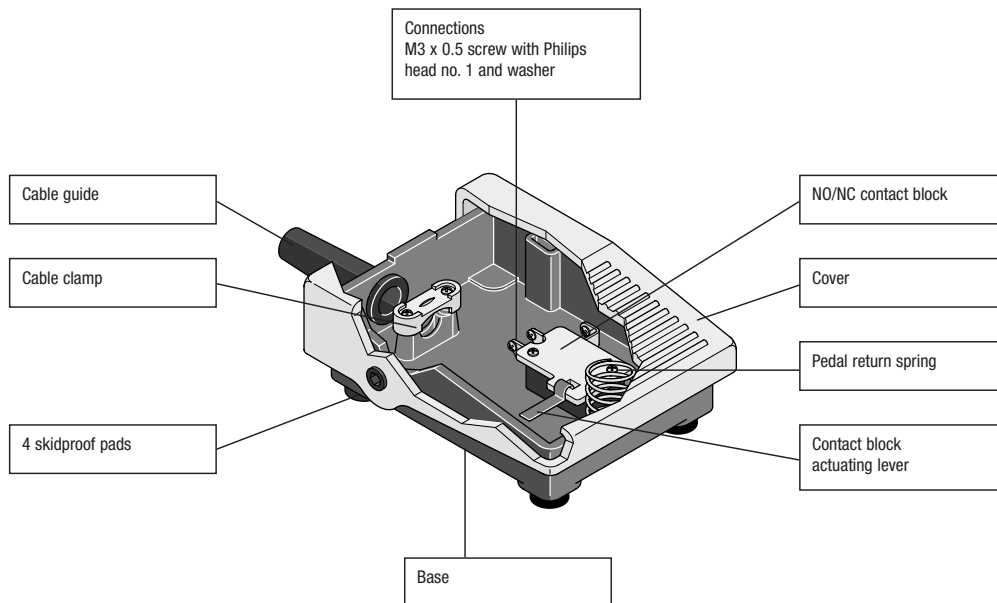
Note: Each carrying rod kit includes necessary fixing screws and cable glands for the specified number of foot switches.

## Applications

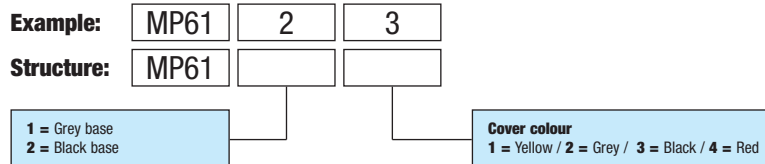
Comepi foot switches of the MP series are plastic foot switches in mini design that besides their robust form and technical versatility are specially convincing for their functionality and ergonomic design. They can be applied on foot switch operated machines such as: shearing machines, spinning lathers, machine tools, wrapping machines, riveting presses, etc.

## Description of MP6... Mini Foot Switches

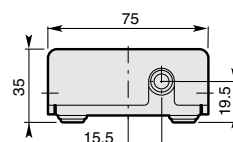
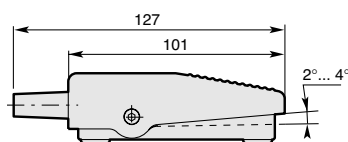
- **Dimensions:** 100 x 75 x 34 mm.
- **Materials:** cover and base made of self-extinguishing ABS.
- **Colour choice:** black or grey base; black, grey, yellow or red cover.



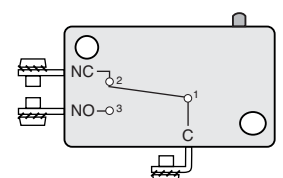
## Symbols



## Dimensions (in mm)



## NO / NC Contact Block



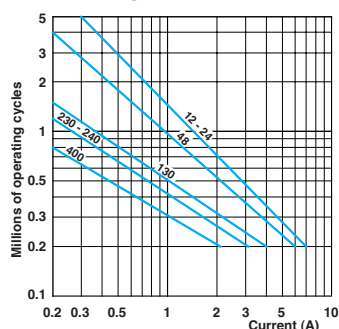
### General Technical Data

Standards	Mini Foot Switch	Foot Switch with Cover
	IEC 1058-1	IEC 947-5-1
<b>Certifications - Approvals</b>	–	UL - CSA (upon request)
<b>Air temperature</b> near the device		
– during operation	°C	– 10 ... + 70
– for storage	°C	– 25 ... + 80
<b>Climatic withstand</b>	–	according to IEC 68-2-3 and salty mist according to IEC 68-2-11
<b>Shock withstand</b> (according to IEC 68-2-27 and EN 60 068-2-27)	g	50g (1/2 sinusoidal shock for 11 ms) no change in contact position
<b>Degree of protection</b> (according to IEC 529 and EN 60 529)	IP 40	IP 65
<b>Operating Torque</b>	N.m	1.2
<b>Operating angle</b>	Degree	2 to 4
<b>Cable inlet</b>	Cable guide ø 6 mm; ø max. 8.5	Pg 16

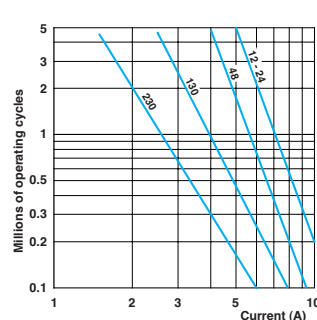
### Electrical Data

<b>Rated insulation voltage <math>U_i</math></b>	V	250	690 (according to IEC 947-1 and EN 60-947-1) Degree of pollution 3
<b>Rated impulse withstand voltage <math>U_{imp}</math></b> (according to IEC 947-1 and EN 60 947-1)	kV	1	6
<b>Conventional free air thermal current <math>I_{th}</math></b> $\theta < 40$ °C		15	10 (according to IEC 947-1)
<b>Short-circuit protection</b> $U_p < 500$ V a.c. - gG (gl) type fuses	A	10	10
<b>Rated operational current</b>	A	3 (250 V a.c.)	A 600 (according to UL 508 and CSA C22-2 n° 14)
	A	0.06 (230 V d.c.)	Q 600 (according to UL 508 and CSA C22-2 n° 14)
AC-15 (according to IEC 947-5-1)	24 V	A	10
	120 V	A	6
	230 V	A	3.1
	240 V	A	3
	400 V	A	1.8
DC-13 (according to IEC 947-5-1)	24 V	A	2.8
	125 V	A	0.55
	250 V	A	0.27
<b>Resistance between contacts</b>	mΩ	30	25
<b>Connecting terminals</b>		M3 x 0.5 screw with Philips head no. 1 and washer	M3.5 (+, –) pozidriv with cable clamp
<b>Positive opening operation</b> (according to IEC 947-5-1)		–	⊖
<b>Connecting capacity</b>	1 or 2 x mm <sup>2</sup>	–	0.75 ... 2.5
<b>Terminal marking</b>		(Refer to contact block page 62)	According to EN 50 013
<b>Mechanical durability</b>	Millions of operations	10	30
<b>Electrical durability</b>	Operations	100 000	utilization categories AC-15 and DC-13 (Load factor of 0.5 according to curves below)

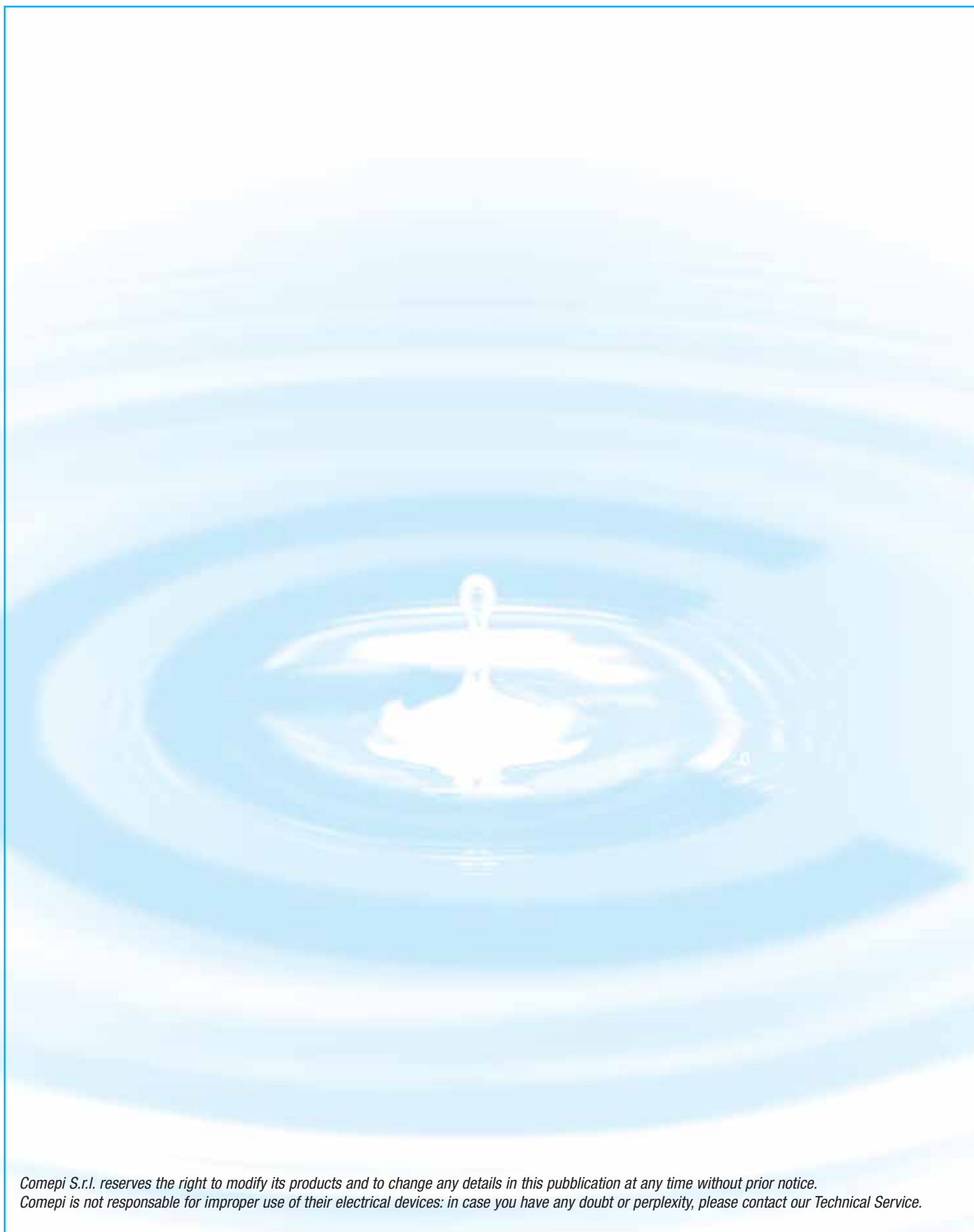
#### AC-15 - Snap action



#### AC-15 - Slow action



DC-13	Snap action	Slow action
	Power breaking for a durability of 5 million operating cycles	
Voltage 24 V	9.5 W	12 W
Voltage 48 V	6.8 W	9 W
Voltage 110 V	3.6 W	6 W



*Comepi S.r.l. reserves the right to modify its products and to change any details in this publication at any time without prior notice.  
Comepi is not responsible for improper use of their electrical devices: in case you have any doubt or perplexity, please contact our Technical Service.*