

## Switches - TECHNICAL CHARACTERISTICS

### Scope

Switching on and off of ohm-inductive loads:

- lighting circuits:
  - lighting fittings (luminaires) for use incandescent lamps
  - lighting fittings (luminaires) for use with fluorescent lamps, with or without power factor compensation
- dedicated circuits for:
  - motor driven appliances (fans, ventilators, canopy hoods, etc.)
  - switches socket outlet

### Switches with customized buttons

Vimar laser technology allows to reproduce on the buttons, with absolute precision and indelebility, the following:

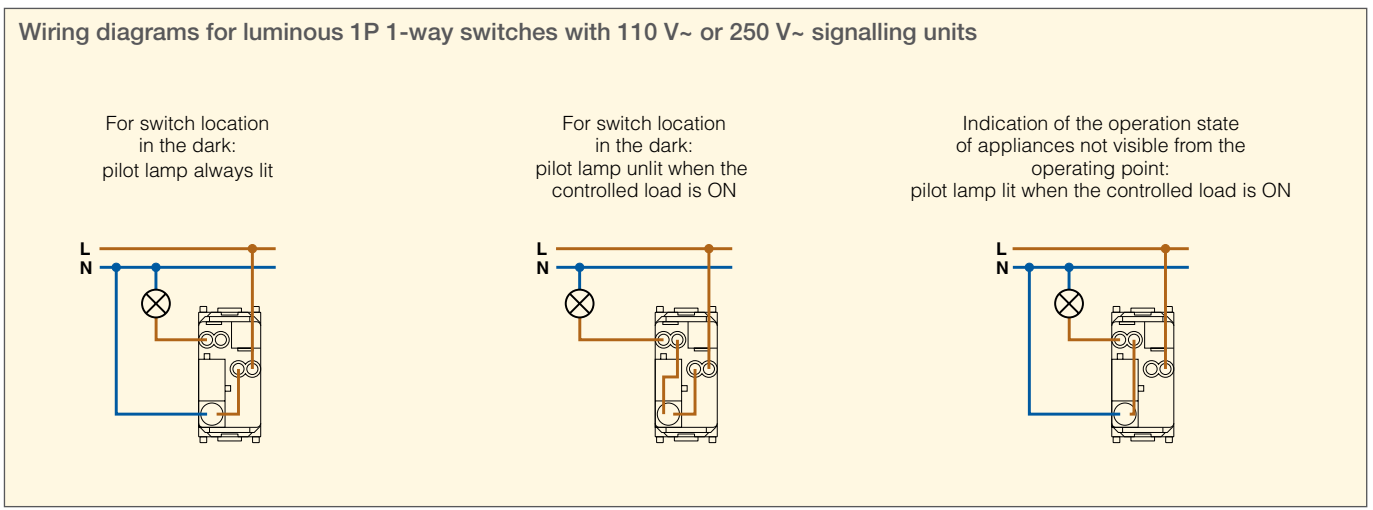
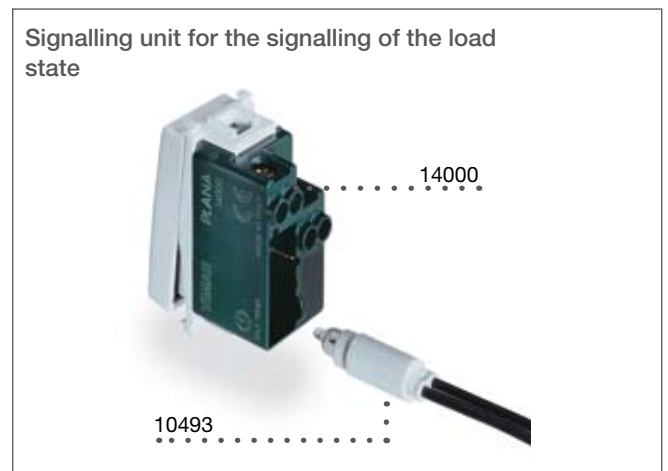
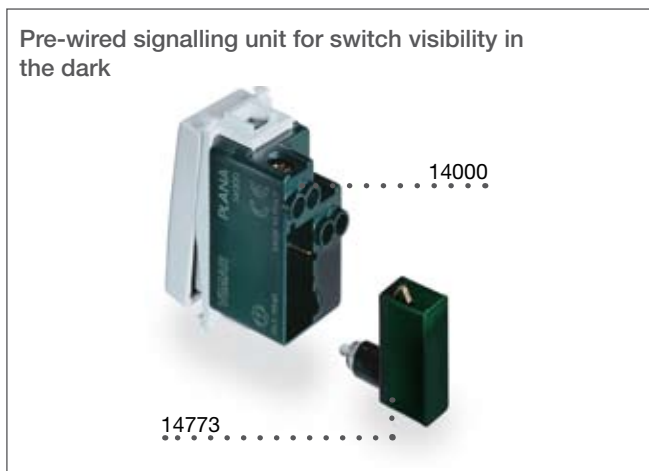
- all the symbols of the articles in the present catalogue
- all the symbols and wordings shown on page 334
- symbols, wordings, logotypes or trademarks on request (see "Customization" - page 334)

### Technical specifications

- rated voltage: 250 V~
- rated current:
  - 10 A for push buttons
  - 16 AX for devices that controls circuits of fluorescent lamps with power factor compensation
- contact opening gap: > 3 mm
- insulation resistance: > 5 MΩ a 500 V d.c.
- dielectric strength: > 2000 V~
- minimum breaking capacity:
  - 200 operations with 1,25 I<sub>n</sub>, 275 V~ cosφ 0,3 and 200 operations with 1,2 I<sub>n</sub>, 250 V~, with load of tungsten filament lamp (except for push buttons)
- minimum electrical life:
  - 40.000 operations with I<sub>n</sub>, 250 V~, cosφ 0,6
  - 10.000 operations for 10 AX switches (5.000 for 16 AX switches) with I<sub>n</sub>, 250 V~, with load of fluorescent lamps
- balanced and noiseless rocking action for 1-way, 2-way and reversing switches and push buttons

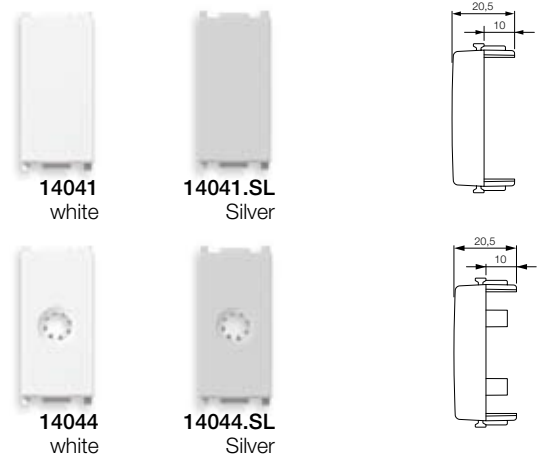
### Conformity to Standards

LV Directive  
EN 60669-1 Standard



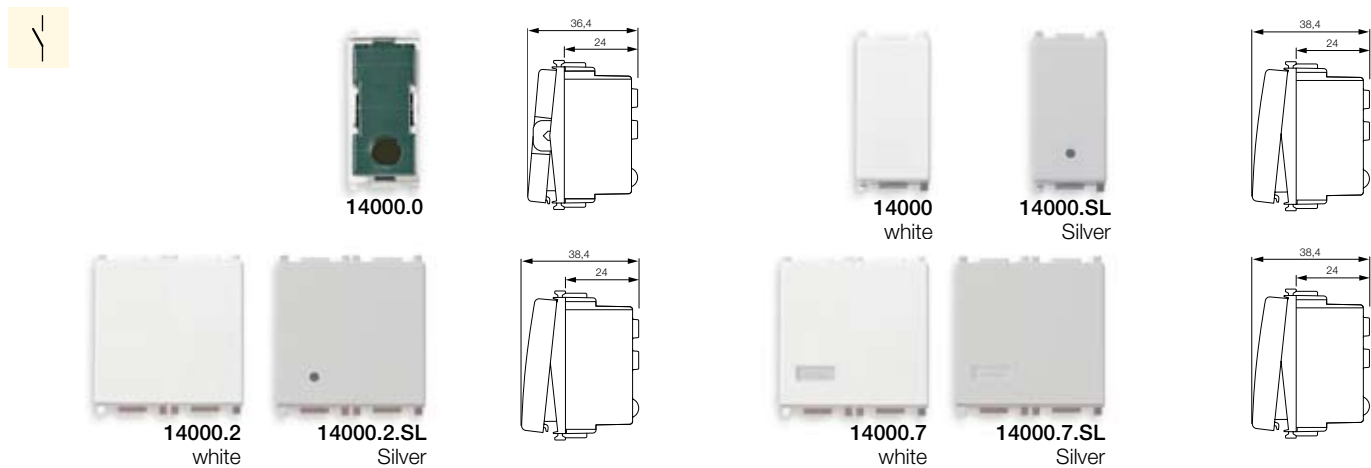
### Blank module and cable outlet

14041	.SL	Blank module
14044	.SL	Cable outlet



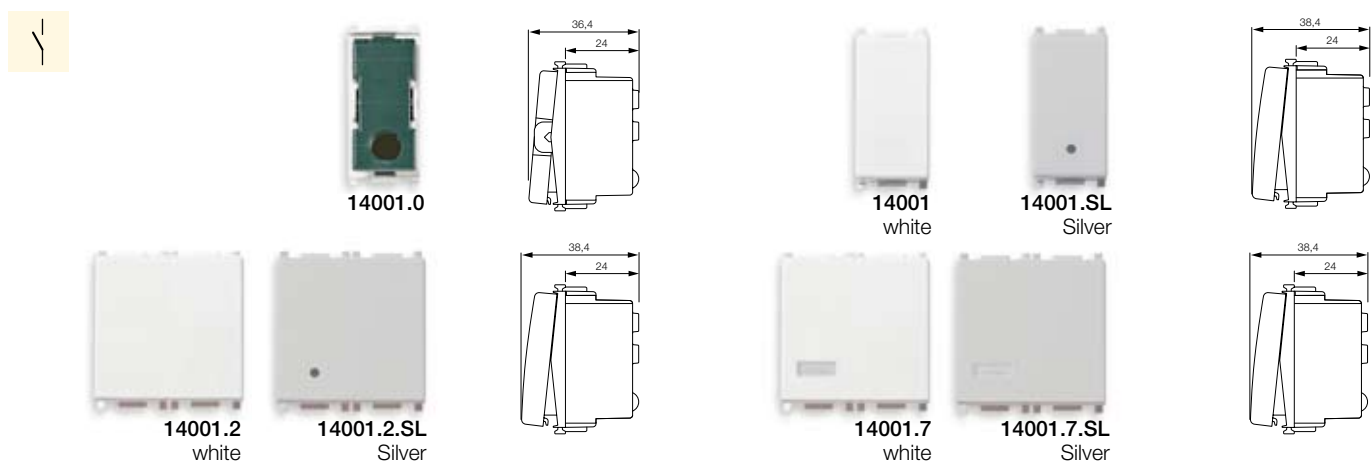
### 1P 1-way switch 250 V~

14000	.SL	1P 10 AX 250 V~ 1-way switch, lightable, replaceable button
14000.0		1P 10 AX 250 V~ 1-way switch mechanism, lightable, to complete with 1,2 or 3-module button
14000.2	.SL	1P 10 AX 250 V~ 1-way switch, lightable, replaceable button - 2 modules
14000.7	.SL	1P 10 AX 250 V~ 1-way switch, with lightable diffuser, replaceable button - 2 modules



### 1P 1-way switch 250 V~

14001	.SL	1P 16 AX 250 V~ 1-way switch, lightable, replaceable button
14001.0		1P 16 AX 250 V~ 1-way switch mechanism, lightable, to complete with 1,2 or 3-module button
14001.2	.SL	1P 16 AX 250 V~ 1-way switch, lightable, replaceable button - 2 modules
14001.7	.SL	1P 16 AX 250 V~ 1-way switch, with lightable diffuser, replaceable button - 2 modules



**Switches** - TECHNICAL CHARACTERISTICS

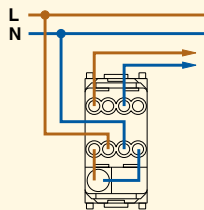
Technical specifications of signalling units

Article	Type	Supply voltage	Potenza	Colore
10490	incandescent	12 V	0,5 W max	white
10491	incandescent	24 V	0,5 W max	white
10492	neon	110 V~	0,5 W max	red
10493	neon	250 V~	0,5 W max	red
Δ 10492.V	fluorescent	110 V~	0,5 W max	green
10493.V	fluorescent	250 V~	0,5 W max	green
Δ 10492.AZ	fluorescent	110 V~	0,5 W max	blue
10493.AZ	fluorescent	250 V~	0,5 W max	blue
Δ 14772	neon	110 V~	0,5 W max	red
14773	neon	230 V~	0,5 W max	red

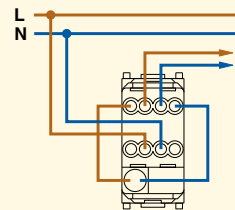
A 1,5 µF 400 V~ capacitor should be connected in parallel to neon or fluorescent signalling units to avoid self-ignition in special circuits

Wiring diagrams for luminous 2P 1-way switches with 110 V~ or 250 V~ signalling unit

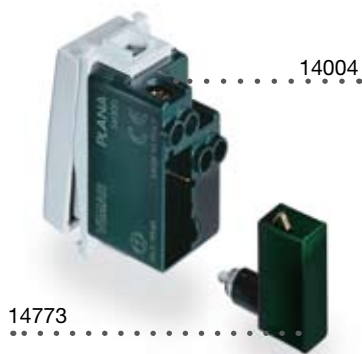
For switch location in the dark: pilot lamp always lit



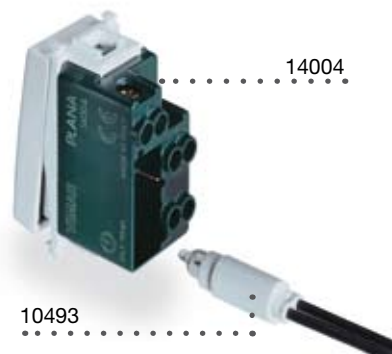
Indication of operation state of appliances not visible from the operating point: pilot lamp lit when the controlled load is ON



Pre-wired signalling unit for switch location in the dark

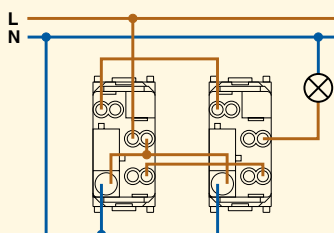


Signalling unit for the signalling of the load state

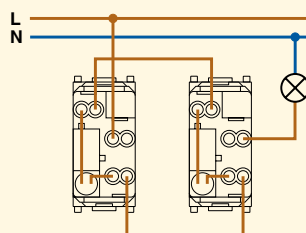


Wiring diagrams of luminous 1P 2-way switches with 110 V~ or 250 V~ signalling unit

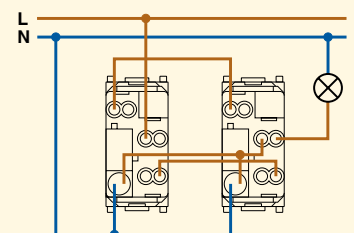
For switch location in the dark: pilot lamp always lit



For switch location in the dark: pilot lamp unlit when the controlled load is ON



Indication of the operation state of appliances not visible from the operating point: pilot lamp lit when the controlled load is ON

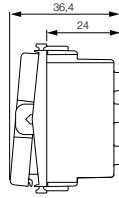


### 2P 1-way switch 250 V~

<b>14015</b>	<b>.SL</b>	2P 16 AX 250 V~ 1-way switch, lightable, replaceable button
<b>14015.0</b>		2P 16 AX 250 V~ 1-way switch mechanism, lightable, to complete with 1, 2 or 3-module button
<b>14015.2</b>	<b>.SL</b>	2P 16 AX 250 V~ 1-way switch, lightable, replaceable button - 2 modules



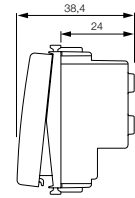
14015.0



14015  
white



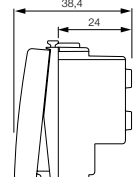
14015.SL  
Silver



14015.2  
white



14015.2.SL  
Silver

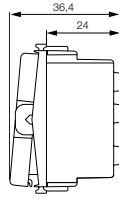


### 1P 2-way switch 250 V~

<b>14004</b>	<b>.SL</b>	1P 10 AX 250 V~ 2-way switch, lightable, replaceable button
<b>14004.0</b>		1P 10 AX 250 V~ 2-way switch mechanism, lightable, to complete with 1,2 or 3-module button
<b>14004.2</b>	<b>.SL</b>	1P 10 AX 250 V~ 2-way switch, lightable, replaceable button - 2 modules
<b>Δ 14004.7</b>	<b>.SL</b>	1P 10 AX 250 V~ 2-way switch, with lightable diffuser, replaceable button - 2 modules



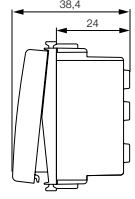
14004.0



14004  
white



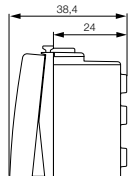
14004.SL  
Silver



14004.2  
white



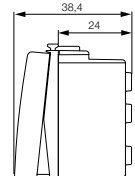
14004.2.SL  
Silver



14004.7  
white



14004.7.SL  
Silver

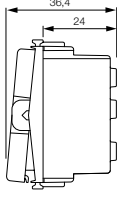


### 1P 2-way switch 250 V~

<b>14005</b>	<b>.SL</b>	1P 16 AX 250 V~ 2-way switch, lightable, replaceable button
<b>14005.0</b>		1P 16 AX 250 V~ 2-way switch mechanism, lightable, to complete with 1,2 or 3-module button
<b>14005.2</b>	<b>.SL</b>	1P 16 AX 250 V~ 2-way switch, lightable, replaceable button - 2 modules
<b>Δ 14005.7</b>	<b>.SL</b>	1P 16 AX 250 V~ 2-way switch, with diffuser, replaceable button - 2 modules



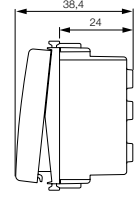
14005.0



14005  
white



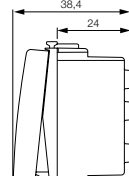
14005.SL  
Silver



14005.2  
white



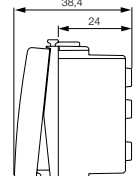
14005.2.SL  
Silver



14005.7  
white



14005.7.SL  
Silver



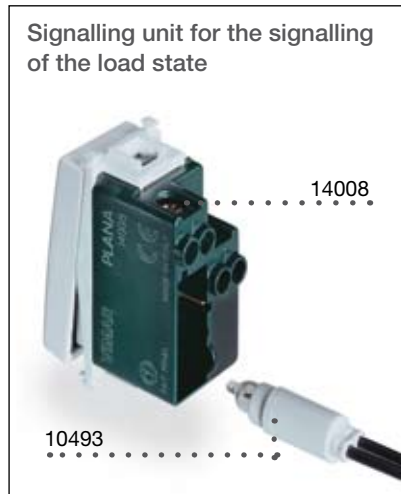
## Switches - TECHNICAL CHARACTERISTICS

### 1P push buttons

Pre-wired signalling unit for switch location in the dark

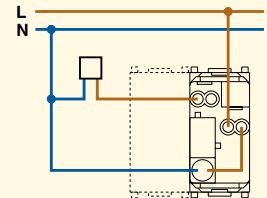


Signalling unit for the signalling of the load state



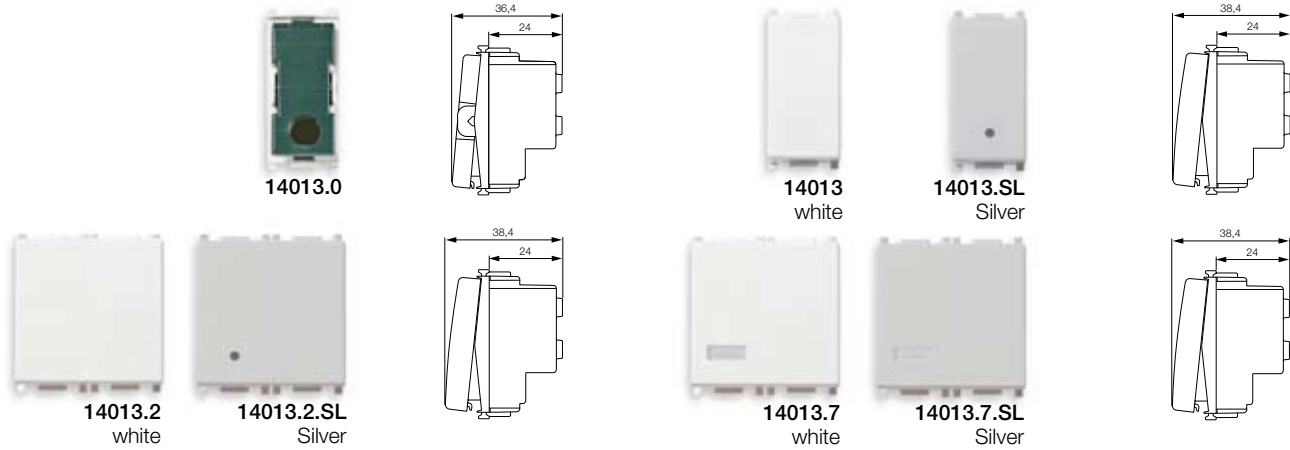
Wiring diagram of luminous 1P push button with 110 V~ or 250 V~ signalling unit

For switch location in the dark:  
pilot lamp always lit



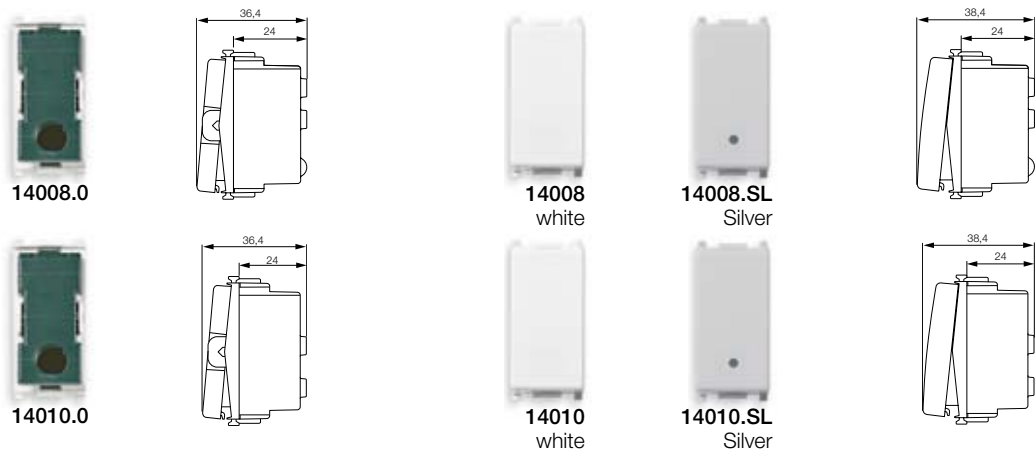
### 1P reversing switch 250 V~

<b>14013</b>	<b>.SL</b>	1P 16 AX 250 V~ reversing switch, lightable, replaceable button
<b>14013.0</b>		1P 16 AX 250 V~ reversing switch mechanism, lightable, to complete with 1, 2 or 3-module button
<b>14013.2</b>	<b>.SL</b>	1P 16 AX 250 V~ reversing switch, lightable, replaceable button - 2 modules
<b>Δ 14013.7</b>	<b>.SL</b>	1P 16 AX 250 V~ reversing switch, with lightable diffuser, replaceable button - 2 modules



### 1P push button 250 V~

<b>14008</b>	<b>.SL</b>	1P NO 10 A 250 V~ push button, lightable, replaceable button
<b>14008.0</b>		1P NO 10 A 250 V~ push button mechanism, lightable, to complete with 1, 2 or 3-module button
<b>14010</b>	<b>.SL</b>	1P NC 10 A 250 V~ push button, lightable, replaceable button
<b>14010.0</b>		1P NC 10 A 250 V~ push button mechanism, lightable, to complete with 1, 2 or 3-module button



### 1P push button 250 V~

<b>14008.2</b>	<b>.SL</b>	1P NO 10 A 250 V~ push button, lightable, replaceable button - 2 modules
<b>14008.2.C</b>	<b>.SL</b>	1P NO 10 A 250 V~ push button, lightable bell symbol, replaceable button - 2 modules
<b>14008.2.L</b>	<b>.SL</b>	1P NO 10 A 250 V~ push button, lightable light symbol, replaceable button - 2 modules
<b>14008.2.P</b>	<b>.SL</b>	1P NO 10 A 250 V~ push button, lightable key symbol, replaceable button - 2 modules
<b>14008.7</b>	<b>.SL</b>	1P NO 10 A 250 V~ push button, with lightable diffuser, replaceable button - 2 modules

