

Power regulator



Application

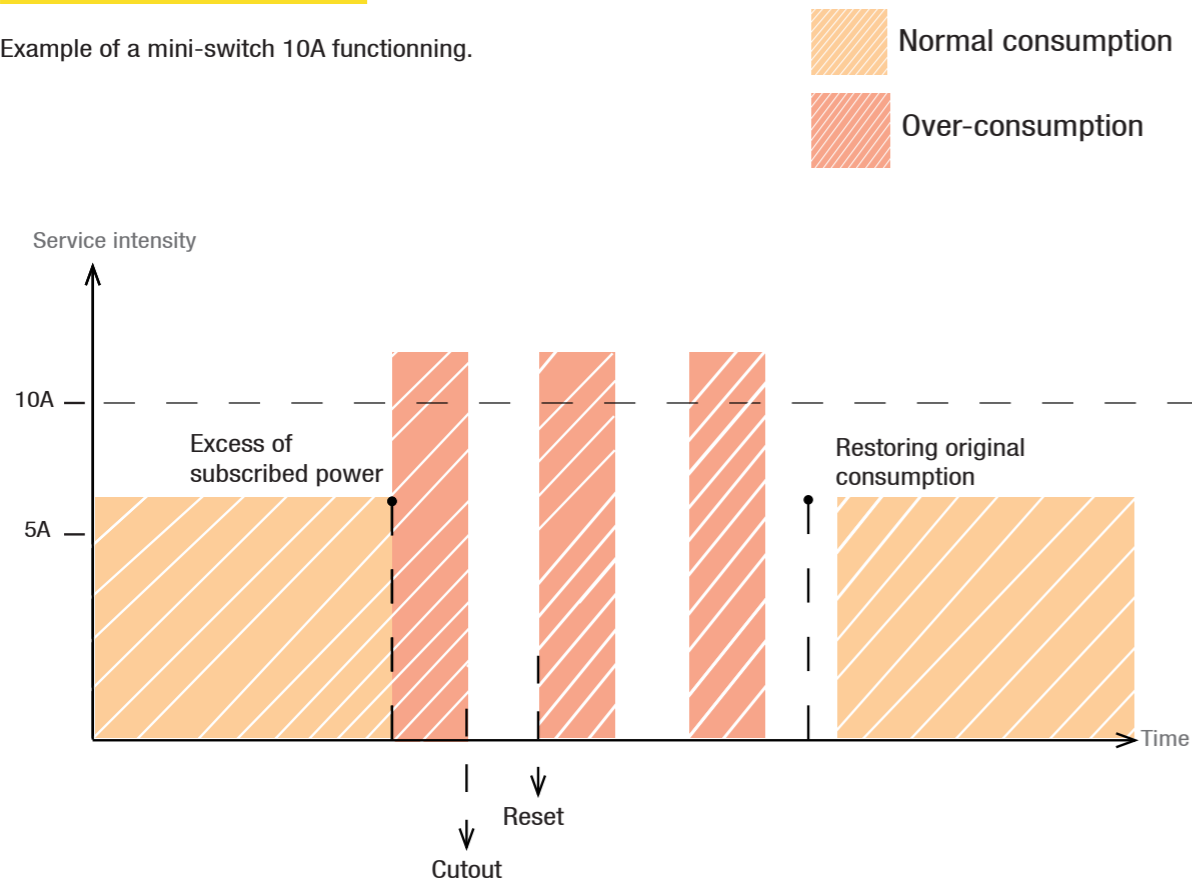
This mini-switch limits the current that can flow permanently through the connection to a certain intensity. It enables the customer's energy consumption to be controlled and limited to the subscribed power, providing excellent protection against fraud, mainly in the event of meter by-pass / shunt. Massive over-consumption due to fraud is significantly reduced.

Description

- The mini-switch is integrated in a fuse cartridge. It limits the current that can flow permanently through the connection thanks to a rating intensity function on the principle of bimetal (thermal bimetallic strip):
 - Rating: 5A, 10A, 15A, 20A
 - Size: 14x51mm, 22x58mm, T00
 - Reversibility threshold: 45A or 60A depending on rating.
- It possesses a circuit breaker fuse function (AD): power of cut: 20kA.
- Its endurance goes from 5,000 to 15,000 cycles according to the rating.
- It is installed before the meter. Two options are possible for utilities:
 - At the top of poles, out of the customer reach, to better secure the device;
 - In the meter cabinet, for an easier installation.

Principle of use

Example of a mini-switch 10A functioning.



Code	Designation	Rating (A)	Weight (kg)	Sales unit
SIZE 14x51				
P135	MINI-SWITCH 5A 14x51	5	0.030	10
P125	MINI-SWITCH 10A 14x51	10	0.030	10
P142	MINI-SWITCH 15A 14x51	15	0.030	10
SIZE 22x58				
P136	MINI-SWITCH 5A 22x58	5	0.040	10
P126	MINI-SWITCH 10A 22x58	10	0.040	10
P143	MINI-SWITCH 15A 22x58	15	0.040	10
P146	MINI-SWITCH 20A 22x58	20	0.040	10
SIZE 00				
P137	MINI-SWITCH 5A T00	5	0.110	10
P127	MINI-SWITCH 10A T00 REVERS.	10	0.120	10
P144	MINI-SWITCH 15A T00	15	0.120	10

Installation



K220



U607

Shell	Top of pole		Meter cabinet		
	Cutout sleeve		Cutout cabinet		
Technical characteristics	- To be installed at the top of a pole outside. - To be installed on the phase conductor of the customer connection. - When the sleeve is opened, an elastic tightening keeps the cartridge on the customer side, with no load. - Single tightening ensured by shear head screws sealable after breaking. - Very good resistance to weather conditions (humidity, temperature...). - Possibility to seal the opening.		- To be installed nearby the meter, in the house, enabling maintenance at man level. - To be installed on the phase and neutral conductors of the customer connection. - Very good resistance to weather conditions (humidity, temperature...). - Possibility to seal the opening.		
References	K220	K221	U605	U607	P053
Connection	Stripping	Insulation piercing	Stripping	Stripping	Stripping
Capacities	2,5-16mm ² Al/Cu	6-35mm ² Al/Cu	6-25mm ² Al/Cu	6-35mm ² Al/Cu	6-35mm ² Al/Cu
Fuse sizes	14x51	22x58	14x51	22x58	T00

Nota : A three phases version is available.

SEE SHEET
ACCESS TO ENERGY / Protection / LV network fuse protection