

In the context of the IEC-61230 international standard, CATU offers and answers to your needs with a large range of short-circuiting and earthing systems for substations and lines. These equipments are fitted with silicone-sheathed cables and double-crimped lugs at both ends: crimped once to the cable itself and once to the cable envelope. This type of connection has been mechanically tested by simultaneous traction and twisting, followed by a proofing test in a soda bath. Before the short-circuiting tests, all components of this equipment are subjected to a cycle in a saline mist, to provide artificial ageing.

IEC short-circuiting and earthing systems (three-phase crossarm networks)

MT-613 clamps are automatic contact clamps. They are put into position from above the conductor, using the clamp dispenser head MT-635/1-C, which gives remarkable rapidity and ease of handling. Removal is carried out by pulling down the clamp, which revolves around the conductor by means of the pig tail fixed in the centre of the clamps dispenser head.

IEC-61230 



Characteristics	MT-6613	MT-6613/1
Rating	8 kA/1s	25 kA/0.5s 17.5 kA/1s
Connection copper cable between clamps (mm ²)	35	95
Earth connection copper cable (mm ²)	16	35
For conductors Ø (mm)	5 to 30	5 to 30
Recommended sticks**	CE-4-21-C (P. 74)	CF-5 serie (P. 88) CM-4400 serie (P. 88)

Earth rod - 1 m:

MT-650/MT-652/10 or MT-652/15 to be ordered separately.

** To be ordered separately.

Reference	Rating	Equipment composition
MT-6613	8 kA/1s	- 3 automatic contact clamps MT-613 - Connection cables 35 mm ² , max. gap between clamps: 2.75 m - 1 clamp dispenser head MT-635/1-C - 1 spool with earthing cable connection MT-640-S - 1 carrying bag M-87295
MT-6613/1	25 kA/0.5s 17.5 kA/1s	- 3 automatic contact clamps MT-613 - Connection cables 95 mm ² , max. gap between clamps: 2.75 m - 1 clamp dispenser head MT-635/1-C - 1 earthing cable connection 15 x 35 mm ² - 1 earthing clamp MT-840/1 - 1 carrying bag M-87295

For earthing systems to your own specification please see page 129.

Short-circuiting automatic contact clamps

Aluminium alloy.

Reference	Rating	For conductors Ø (mm)
MT-613	25 kA/0.5s or 17.5 kA/1s	5 to 30
MT-613/1	10 kA/1s	5 to 30
MT-613/2	8 kA/1s	5 to 30



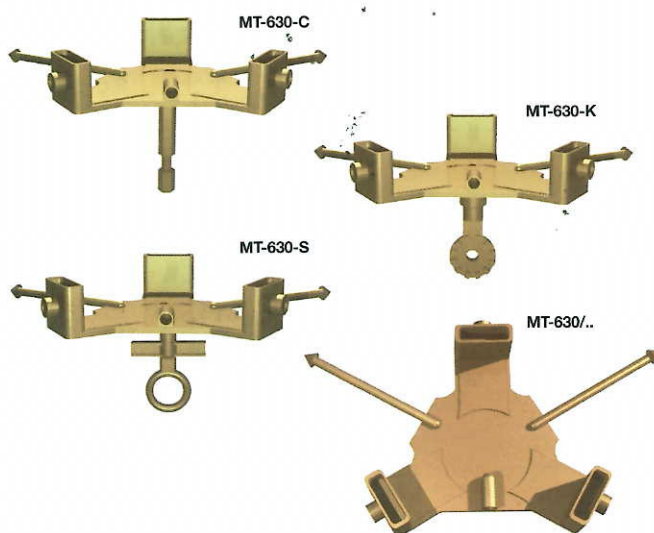
MT-613



MT-613/1
MT-613/2

Clamp dispenser heads

Copper aluminium alloy.



For MT-613 clamp

Reference	Head for 3 clamps	Head for 4 clamps	With pigtail hook
MT-630-C	■		
MT-630-K	■		
MT-630-S	■		
MT-635/1-C/K/S	■		■
MT-634-C/K		■	

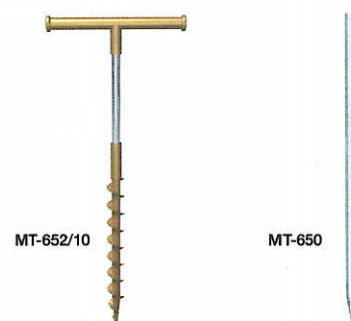


For MT-613/1 and 613/2 clamps

Reference	Head for 3 clamps	Head for 4 clamps	With pigtail hook
MT-633-C	■		■
MT-633-K	■		■
MT-633-S	■		■
MT-634/1-C/K		■	■

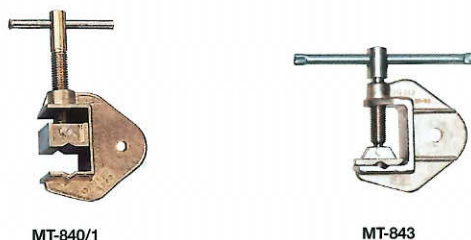
Earth rod

Reference	Characteristics	Length (m)
MT-652/10	Screw ground rod.	1
MT-652/15	Screw ground rod.	1.50
MT-650	Hexagonal section rod.	1



Earth clamp

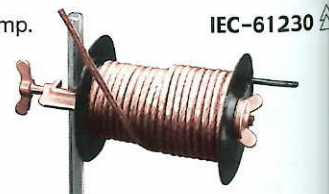
Copper aluminium bronze earth clamps.



Reference	Weight (kg)	Conductors (mm)
MT-840/1	0.48	● Ø 6-25 — 0-25
MT-843	0.95	● Ø 6-35 — 0-35

Spool with earthing connection

Spool with cable and earth clamp.



Reference	Silicone cable (mm ²)	Length (m)
MT-640-S	16	16
MT-641-S	16	25

Short-circuiting and earthing systems (mid-span horizontal configurations, work from ground)

lcc	Connecting cables	For conductors
8 kA/1s	35 mm ²	3-22 mm Ø

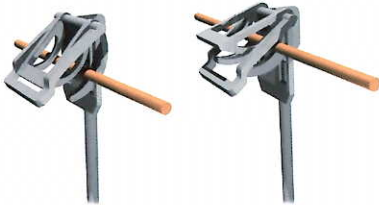
Installed from the ground on conductors up to 10.50 m.
Self locking contact clamp: powerful conductor clamping and very good performance at short-circuiting, does not slide.

PELICAN 2

- Easier installation features.
- More rigid metallic stick.
- Lower tube 30.6 mm dia.
- Upper tube 16 mm dia.
- Re-inforced insulated stick (36 mm dia.).
- Antisliding gripping area on the insulated stick: improves operator's grip.

Self locking clamp

Absence of spring increases reliability, facilitates cleaning and removal.



Used to check voltage absence beforehand

With a CC-375 IEC or CC-875 IEC series detector. Attached with a flag use contact electrode to one of the metallic stick.



Packaging



Equipment composition

Reference	lcc (kA/1s)	Composition
MT-508/36	8	3 telescopic metallic sticks 3 elements MT-512/36 - L = 6.00/2.37 m - 2.4 kg 1 insulated stick MT-531 2 elements 1.65 m Reel for 3 cables 10 m x 35 mm ² with earth connect. for attachment to stick - MT-543/35 1 earth rod 1 m MT-650 1 bag M-87127 : 2.50 x 0.30 x 0.15 - 10.5 kg
MT-508/46	8	3 telescopic metallic sticks 4 elements MT-512/46 - L = 5.10/1.62 m - 2.1 kg 1 insulated stick MT-531 2 elements 1.65 m 1 insulated intermediate stick element 1.65 m CM-4-165-B Reel for 3 cables 10 m x 35 mm ² with earth connect. for attachment to stick - MT-543/35 1 stick lifter MT-546 1 earth rod 1 m MT-650 1 bag M-87-208 : 1.70 x 0.30 x 0.20 m - 11.3 kg with separate parts: - cable reel 0.42 x 0.42 x 0.14 m - 13.2 kg - rod - 2.2 kg