

Padlocks, warning signs and delineators

Safety equipment & lamps

Short-circuiting & earthing systems

Voltage detectors and V.I.S / V.D.S

Saving kits

IEC short-circuiting and earthing systems for MV substations

IEC-61230 

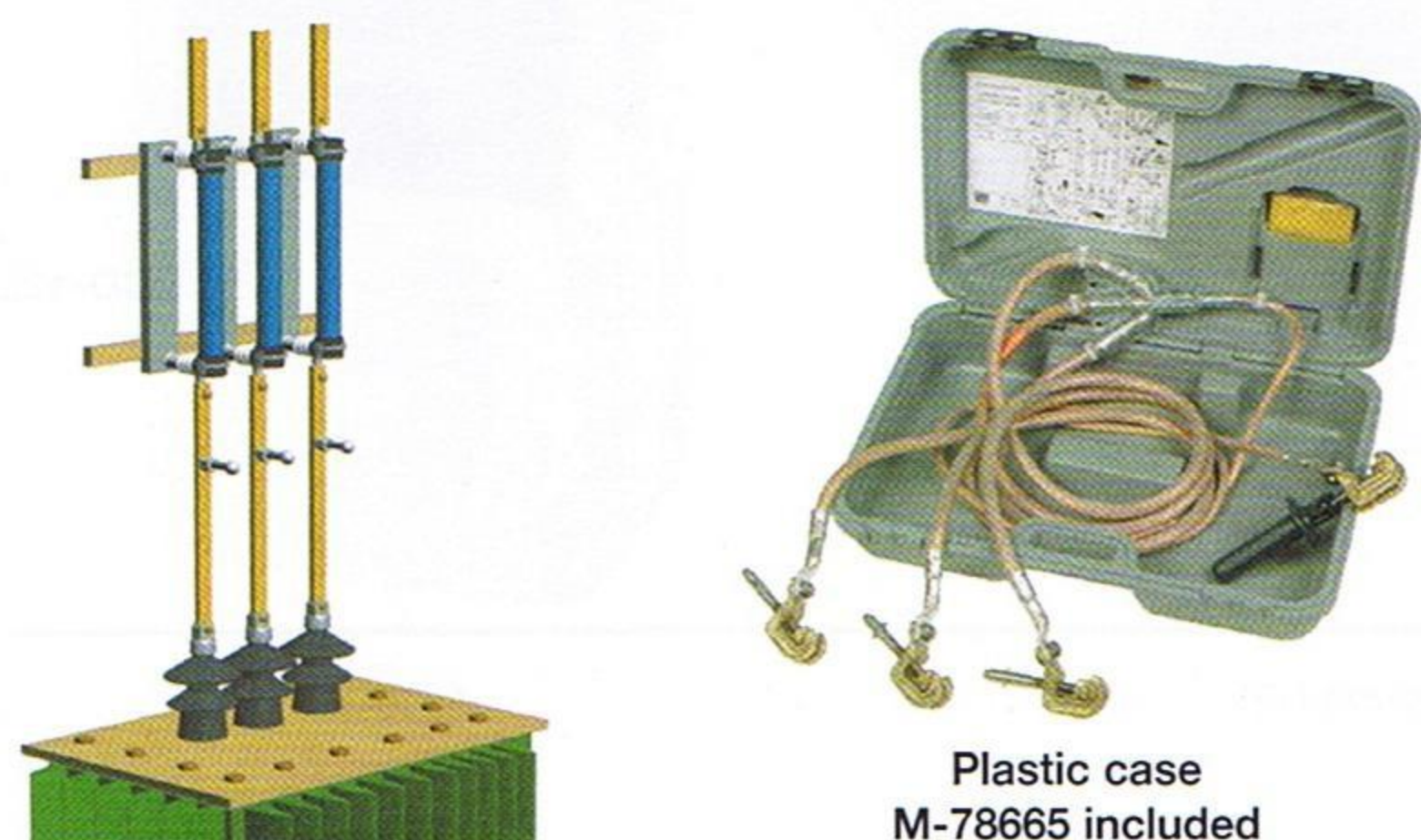
These equipment are intended for connection: to permanent fixed points or to bare conductors.

They consist of 3 contact clamps.

1 short-circuit earthing connection set consisting of 3 extra-flexible copper cables with silicone sheath, L = 1.5 m each. 1 trifurcation connector earthed by an extra-flexible copper cable with silicone sheath, L = 2.5 m. 1 earthing clamp. 1 plastic case (M-78665).

Installation on permanent fixed points

Installation on bare conductors



Plastic case M-78665 included

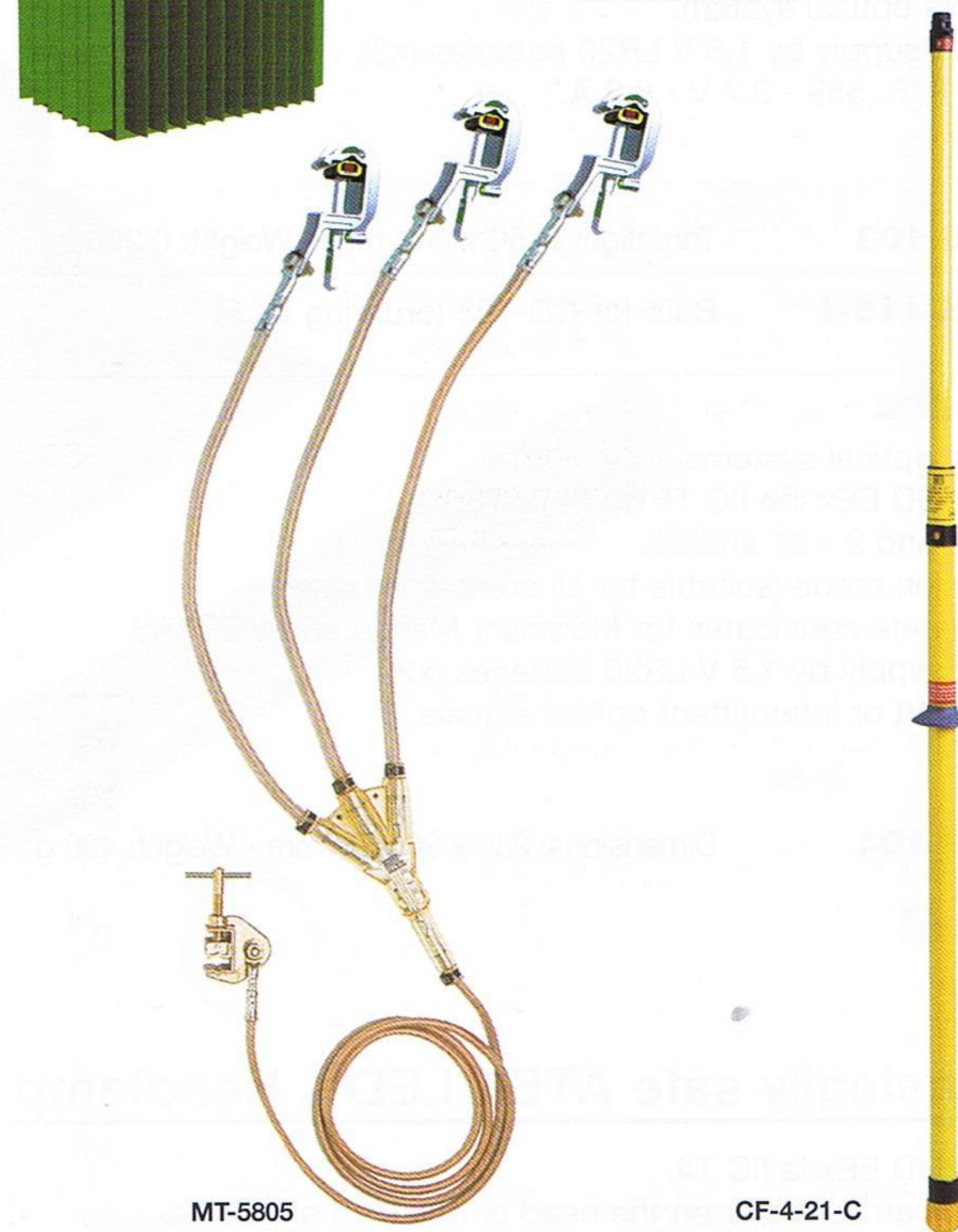


Plastic case M-78665 included



MT-1910
MT-1920

CE-5-40-E



MT-5805

CF-4-21-C

Reference	MT-1910	MT-1920
Icc (kA/1s)	20	30
Installation on fixed points	Ø 20 mm MT-2951 range	Ø 25 mm MT-3951 range
Composition	3 clamps MT-1911-E 1 MT-1911	3 clamps MT-1921-E 1 MT-1921
Connection set	3 cables 95 mm ² 1 earth cable 35 mm ²	3 cables 150 mm ² 1 earth cable 50 mm ²
Sticks**	CF-5-40-E	CF-5-40-E

** Stick to be ordered separately

Reference	MT-5805	MT-9801
Icc (kA/1s)	20	10
Conductors (mm)	• Ø 5-35 ┃ 16-40 ┃ 5-35	• Ø 5-16 ┃ 0-16 ┃ 40-16 • Ø 5-28
Composition	3 clamps MT-815-C 1 earth clamp MT-840/1	3 clamps MT-817-C 3 clamps MT-814/2 1 earth clamp MT-840/1
Connection set	3 cables 95 mm ² 1 earth cable 35 mm ²	3 cables 50 mm ² 1 earth cable 25 mm ²
Sticks**	CE-4-21-C	CE-4-21-C

For earthing systems to your own specifications, please see page 129.

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Clamps for MV installations and substations

Attachment (C-Type)

Hexagonal end-fitting. A circumferential braking system prevents the clamp from turning under the weight of the cable. Separates by simple pulling.

Earth cable connection

With a crimped lug (12 mm Ø hole).

Material

Aluminium alloy except MT-814, MT-1911 and MT-1921: copper-aluminium bronze.

IEC-61230 

Reference	Weight (kg)	Dimensions (mm)	Conductors (mm)	Test current (kA/1s)
MT-812-C	0.320	35 x 79 x 143	● Ø 5-16 ■ 0-16	21
MT-813-C	0.330	35 x 79 x 169	■ 40 x 16	21
MT-814/2	0.660	85 x 56 x 192	● Ø 5-28	14.5
MT-817-C	0.330	30 x 90 x 140	● Ø 5-16 ■ 40 x 16	21
MT-814/3	0.620	85 x 56 x 195	● Ø 18-33	14.5
MT-815-C	0.650	44 x 108 x 173	● 5-40	30
MT-815-E			■ 16-40	
MT-815-S			■ 5-40	
MT-815-S1				
MT-1911-E	0.580	For permanent fixed point Ø 20 mm and round conductors Ø 8 to 18 mm		20
MT-1911-S1				
MT-1921-E	0.69	For permanent fixed point Ø 25 mm and round conductors Ø 10 to 25 mm		30
MT-1921-S1				



Earth clamps

Copper aluminium bronze earth clamps.



FOR BARE CONDUCTORS.

Reference	Weight (kg)	Connection	Conductors (mm)
MT-840/1	0.48	Thread: Ø 12.5 mm	● Ø 6-25 ■ 0-25
MT-841	0.48	Thread: ≤ Ø 12.5 mm	● Ø 6-25 ■ 0-30

FOR FIXED POINT.

Reference	Weight (kg)	Connection conductors (mm)
MT-1911	0.58	Spheric fixed points MT-2951 Ø 20 mm Round conductors Ø 8 to 18 mm
MT-1921	0.69	Spheric fixed points MT-3951 Ø 25 mm Round conductors Ø 10 to 25 mm

Fixed points



Reference	Sphere dimension	Weight (g)	Fixing
MT-2951	Ø 20 mm	130	Thread: M 12
MT-2951/1	Ø 20 mm	180	Bolt: M 12 - L = 35 mm
MT-2951/2	Ø 20 mm	200	Bolt: M 12 - L = 45 mm
MT-2950/35*	Ø 20 mm	247	Bolt: M 12 - L = 35 mm
MT-3951	Ø 25 mm	240	Thread: M 12
MT-3952	Ø 25 mm	240	Thread: M 16
MT-3951/1	Ø 25 mm	300	Bolt: M 12 - L = 45 mm
MT-3952/1	Ø 25 mm	350	Bolt: M 16 - L = 45 mm
MT-3950/35*	Ø 25 mm	300	Bolt: M 16 - L = 35 mm

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Insulating sticks for substation use

Telescopic sticks for voltage detectors and earthing systems for use in dry and wet conditions


IEC-61235 

Telescopic stick contains 2 elements made of resin polyester/glass fiber foam filled tube, which slide together and are equipped with a push button lock.

Reference	Rated insulation (kV)	Ø (mm)	Overall length (m)		Weight (kg)
			folded	extended	
CE-4-21*	90	41/32	1.15	2.00	1.50

* Add end-piece C, K or E

Fixed length stick for use in dry and wet conditions

IEC-61235 

Manufactured from 36 mm dia. elements, with single 100 dia. skirts, light and rigid, shock resistant.

Reference	Rated insulation (kV)	Ø (mm)	Overall length (m)	Weight (kg)
CF-5-40*	40	36	1.50	1.15


* Add end-piece C, K or E

Standard stick for use in dry conditions

Reference	Rated insulation (kV)	Ø (mm)	Overall length (m)	Weight (kg)
CF-3-72*	72.5	36	1.50	0.88

* Add end-piece C, K or E

Short length clamp stick

IEC-61235 

Reference	Ø (mm)	Overall length (m)	Weight (kg)
MG-115/1-S	32	1.50	2.40

Rescue stick

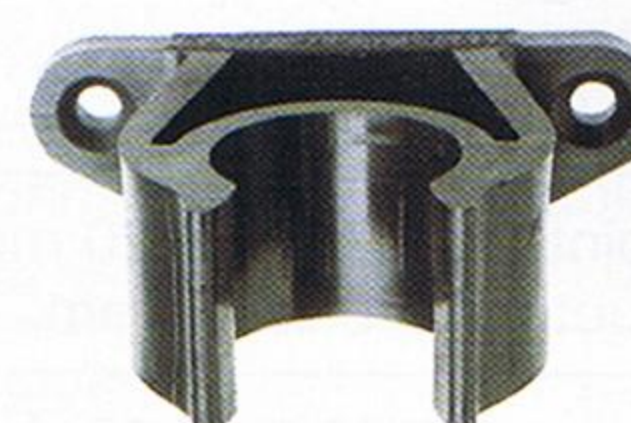
Reference	Rated insulation (kV)	Overall length (m)	Weight (kg)
CS-45	45	1.65	1



Wall mounted supports

For sticks and voltage detectors. Plastic. Delivered with wood screws.

Reference	Top	Bottom
CI-06-D	Ø 28-30 mm	Ø 36 mm max.
CI-10-D	Ø 28-36 mm	Ø 58 mm max.
CI-12-D	Ø 28-30 mm	Ø 58 mm max.



Top



Bottom