



INSULATING STICKS FOR SUBSTATION

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

Reference		Ø (mm)			
	Operating voltage (kV)		(m) Folded	(m) Unfolded	
CE-75-(**)	75	41/32	1.15	2	1.3
CE-4-21-(*)	90	41/32	1.15	2	1.5
CE-4-30-(*)	150	41/32	1.75	3	2
CM-7-10-A	Extension	36	—	1	1

(*) Specify type of mounting when ordering : C, K or E.
(**) Specify type of mounting when ordering : C or K.

Reference		Ø (mm)			
	Operating voltage (kV)		(m) Folded	(m) Unfolded	
CE-5-105-X	220	63.5/27.5	1.66 m	10.75 m	5.4
CE-5-90-X	220	57.5/27.5	1.61 m	9.25 m	4.2
CE-5-70-X	220	52.5/27.5	1.56 m	7.8 m	3.3
CE-5-60-X	220	47.5/27.5	1.51 m	6.4 m	2.5
CE-5-50-X	220	42.5/27.5	1.46 m	5 m	1.9

X : Specify type of mounting when ordering.
(K : universal ; C: hexagonal, 12 mm across the flats).

BENEFITS

- CE-4-21-(*) and CE-4-30-C : Certified telescopic rod IEC 62193 (2003) and IEC 61235. Hand guard. CE-75-(*) : Certified telescopic rod IEC 62193 (2003) and tube IEC 60855-1. CE-75-C : Enedis authorisation: 18-130 B.
- CE-5-(**) : Certified telescopic rod IEC 61235.

STANDARD STICKS

For short circuiting and earthing system. For use in dry conditions.

Reference		Ø (mm)		
	Operating voltage (kV)		Length (m)	
CF-3-72...-(*)	72.5	41/32	1.50	0.88

(*) Specify type of mounting when ordering : C, K or E. Delivered with wall mounting CI-10-D

STICK WITH SKIRT

For short circuiting and earthing system. Epoxy resin / fiberglass composite tubes, foam-filled with polyurethane. With polycarbonate insulating skirt Ø 100 mm, height 90mm, impact resistant. Use in dry and wet conditions.

Reference		Ø (mm)		
	Operating voltage (kV)		Length (m)	
CF-5-90-(*)	90	36	2	1.55

(*) Specify type of mounting when ordering : C, K or E.

PRO

Upper foam-filled element
made of glass fiber /
epoxy resin,
diameter 32 mm



CM-7-10-A
Shock resistant
terminal insulating
element, made of
foam-filled glass fiber
and polyester resin.

Stick bags see
page 176





INSULATING STICKS



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
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FIX STICKS

For substation earthing and short-circuit equipment. For indoor use only.

Reference		$\varnothing$ (mm)	 (m)	 kg
	Operating voltage (kV)			
CF-3-72...-(*)	72.5	36	1.50	0.88

(*) At the order, mention the type of end fitting : C, K or E.

STATIC DISCHARGE STICK

CM-50 STANDARD MODEL

For use on medium voltage lines up to : 33 kV. Insulating orange tube $\varnothing$ 39 mm made of epoxy fiberglass and in accordance with IEC 60855 standard. Fitted with 6 m copper cable, cross-section 6 mm², PVC insulated. Hand guard at length 0.65 m. Copper alloy contact probe, length: 80 mm.

Reference		 (m)	 kg
	Operating voltage (kV)		
CM-50	33	1.6	2.3

CI-15-D	Wall mounted support, see page 180.
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CUSTOMIZABLE MODELS

On request, it is possible to design a set which will fit your existing sticks.

Hook type	CM-05-K	CM-03-K + adaptator CI-4-K
Stick	Fix or telescopic	
Cable	Cross-section and length to be defined according to your need.	
Earth clamp	MT-840/1	

For any request, please contact our technical department

INSULATING STICK COVERS

For storage and transport. Waterproof canvas and zipper closure.

Adjustable straps. Transparent pocket for identification.

CM-1-...: for 1 to 3 poles.

CM-3-...: for CM-6 series or 5 simple elements or 4 double elements.

Reference	 (mm)
	Dimensions
CM-1-10	1.30 m Length
CM-1-15	1.80 m Length
CM-1-20	2.40 m Length
CM-3-03	0.575 x 1.950 m (elmt 1.75 m length)
CM-3-04	0.575 x 2.450 m (elmt 2 m length)
CM-3-05	0.575 x 2.850 m (elmt 2.50 m length)
CM-3-06	0.575 x 3.400 m (elmt 3 m length)



CF-3-72-C

CM-50

CM-03-K

CI-4-K

CM-05-K

MT-840/1

CE-4-21-C
+ CI-4-K
+ CM-03-K

CF-5-40-K
+ CM-05-K



CM-1-20

CM-3-03