

Dry pre-assembled dry cable termination, outdoor

TD 145

Use

For installations in which the cable termination is to be used as a fixed connection point and in installations where there is a risk of very high continuous creepage currents.

Standard

Meets the requirements of:

- IEC 60840

Design

TD 145 contains of: a prefabricated cable termination, top bolt and bolt clamp in the top fitting and also cable clamp and earth clamp.

The cable termination consists of a composite insulator with integrated base part, stress cone, support pipe and dry electric insulating silicone compound.

Both the support pipe and the cable clamp are made of fiber-glass reinforced polyester that provides insulated installation.

The field control component is a premolded stress cone. The termination has a minimum creepage distance of 4650 mm, which means it fulfills Pollution class IV according to IEC 60815-3.

A bolt clamp for the cable conductor and a top bolt is included in the kit.

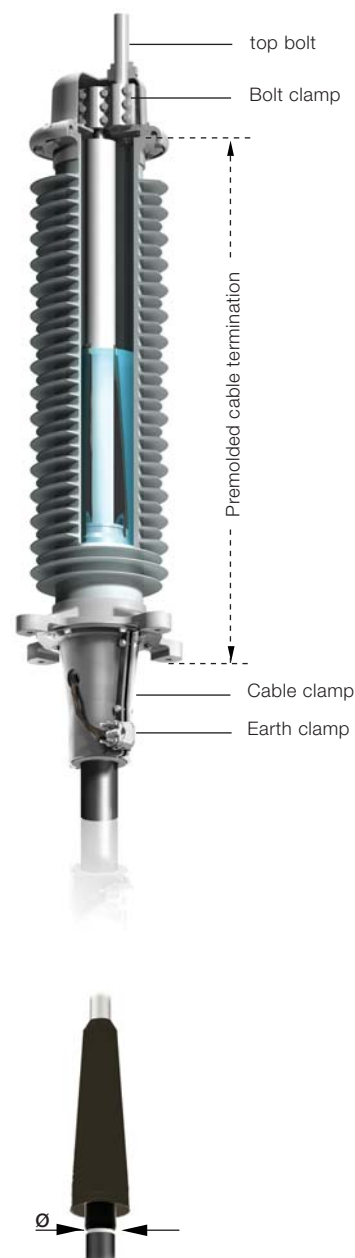
Installation

The termination comes pre-assembled from the factory which remarkably reduces installation time after cable preparation. Installation can be made horizontally or vertically. No filling of insulating medium at site.

When ordering, please state the following data:

- Diameter across prepared insulation
- Conductor cross section
- Screen, cross section and type
- Outer diameter of cable
- If optical fibers in screen
- Diameter and material of the top bolt, Cu or Al for connecting to overhead power line

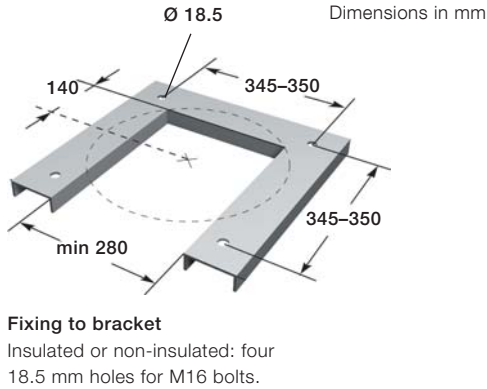
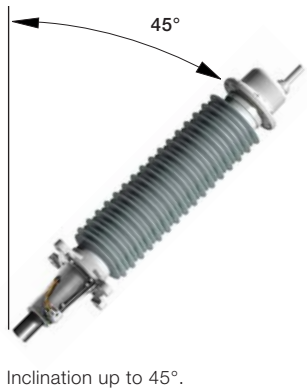
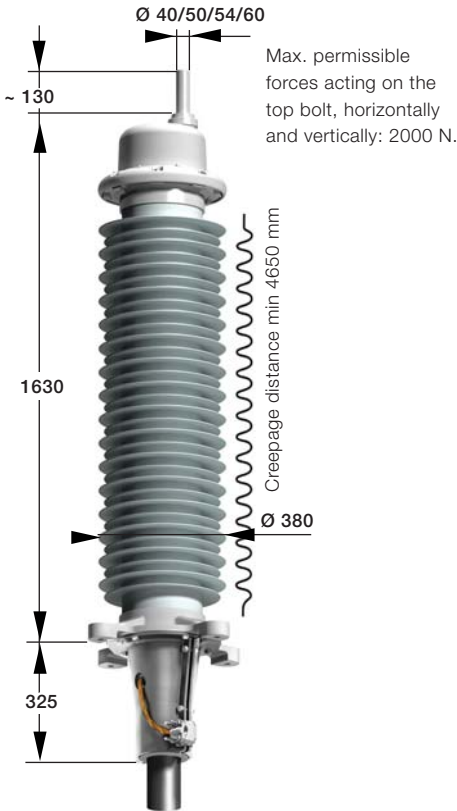
Voltage	Designation	Creepage distance	Net weight
		min	
kV		mm	kg unit
145	TD 145	4650	100



XLPE-diameter		Outer sheath	Max conductor cross section
min	max	max Ø	
mm		mm	mm ²
53	102	150	2500

Technical specification, applications and accessories

TD 145



Accessories, to be ordered separately



RKM 145
Installation tool.



Installation cone
Installation cone.



Opto kit
Optical fiber kit for cables with integrated optical fibers in the earth screen.

Selection table for installation cone

Inner diameter	Outer diameter	Installation cone
mm	mm	Article number
20	53	4209.2384
22	55	4209.2385
22	58	4209.2386
29	61	4209.2387
38	64	4209.2388
28	67	4209.2331
32	70	4209.2332
36	73	4209.2333
43	78	4209.2334
48	84	4209.2335
51	93	4209.2336
57	102	4209.2337
57	105	4209.2400

Designation	Description
RKM 145	Installation tool
Installation cone	Installation cone, see table.
Opto kit	Optical fiber kit for optical fibers in the screen of the cable
JSA	Earthing kit for cable with metallic sheath, e.g. lead. Not needed if cable has only Cu wire screen.
SCK	Screen connection for Al-foil radial waterproof cable. Not needed if cable has only Cu wire screen.

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