

HV DRY FLEXIBLE TERMINATIONS (OHVT-72FS)

UPTO 72 kV

KEY FEATURES

- Dry interface, solid insulating medium, no leakage risk
- Prefabricated and 100% factory tested
- No glueing needed
- No scaffolding cost, installation on ground
- Both vertical and horizontal installation possible
- Type tested according to IEC 60840
- Cost-effective solution
- Easy to install and maintenance free
- Self-support to enhance mechanical performance
- Termination ready for lifting after installation

TE Connectivity's (TE) Raychem High Voltage Dry Self-supporting Flexible Outdoor Termination (OHVT-FS) is designed for voltages up to 145 kV and to operate under severe environmental conditions. The OHVT-FS is designed such that it is compatible with polymeric insulated cables independent of the manufacturer and can be adapted with respect to grounding required for various cable constructions. The installation of the termination can be done by trained installers.

The cold applied termination is a single piece push on solution which requires no glueing. The push on silicone body is formulated for excellent tracking resistance and pollution resistance due to its hydrophobic body. It is free from any insulating fluids, gases or gel and therefore, there is no risk of leakage. The termination is designed according to IEC 60840. The cable lug is available in shearbolt version. It is suitable for all common conductors made of aluminum or copper.

The termination comes with a support insulator to enhance its mechanical performance. All the metal fittings are made out corrosion-resistant alloy.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

HV Dry Flexible Terminations (OHVT-72FS)



MECHANICAL DATA

Length	1834 mm
Outer diameter	366 mm
Cantilever force	5000 N
Max. permissible radial pull at connection bolt	2000 N
Max. Inclination angle	90°
Diameter of connection bolt	30/40/50 mm
Length of connection bolt	100/130 mm
Weight approx.	65 kg
Packing information	2050 × 750 × 500

DESIGN DATA

Diameter over insulation	≤ 78 mm
Diameter over sheath	≤ 100 mm
Max. Cross section (Cu / Al)	Approx. 2000 mm ²
Creepage distance	3100 mm
Flashover distance	1050 mm
Material of connection bolt	Aluminum / Copper
Material of step relief cone	Silicone rubber
Profile of insulator	Sheds
Colour of insulator	Grey
Method of stress control	Geometric
Stress cone	Pre-fabricated silicone rubber
Max. permissible dielectric stress	4 kV/mm (at insulation screen of cable)
Material of fittings	Aluminum
Clearance between terminations	As per IEC 60071-1
Installation temperature	0°C - +40°C
Operation temperature	-55°C - +55°C
Storage temperature	0°C - +40°C

ELECTRICAL TYPE TEST IEC 60840

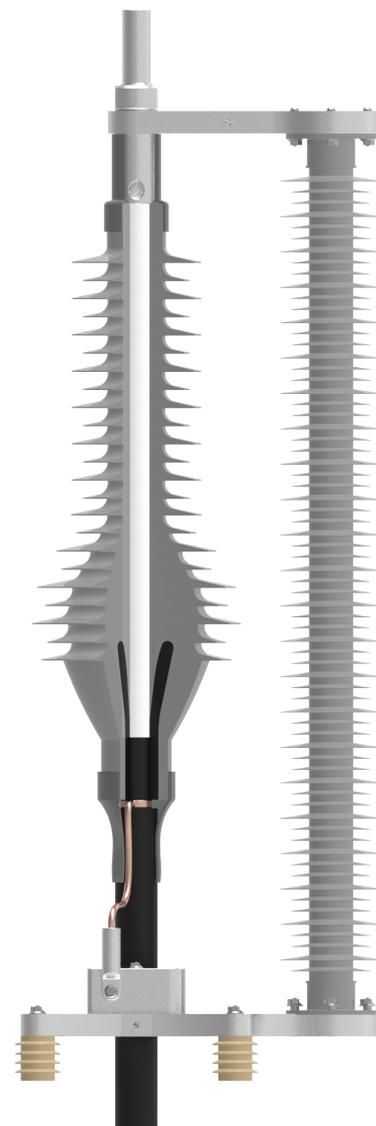
Heating cycle voltage	72 kV
Partial discharge at ambient and elevated temperatures	54 kV
Lightning impulse voltage 1.2μs/50μs	325 kV

ELECTRICAL TYPE TEST IEC 60840 ANNEX H

AC withstand test screen to ground	25 kV
DC withstand test screen to ground	25 kV
Lightning impulse test screen to ground	37.5 kV

ELECTRICAL ROUTINE TEST IEC 60840

AC withstand voltage	90 kV
Partial discharge test	54 kV



FOR MORE INFORMATION: TE Technical Support Centers

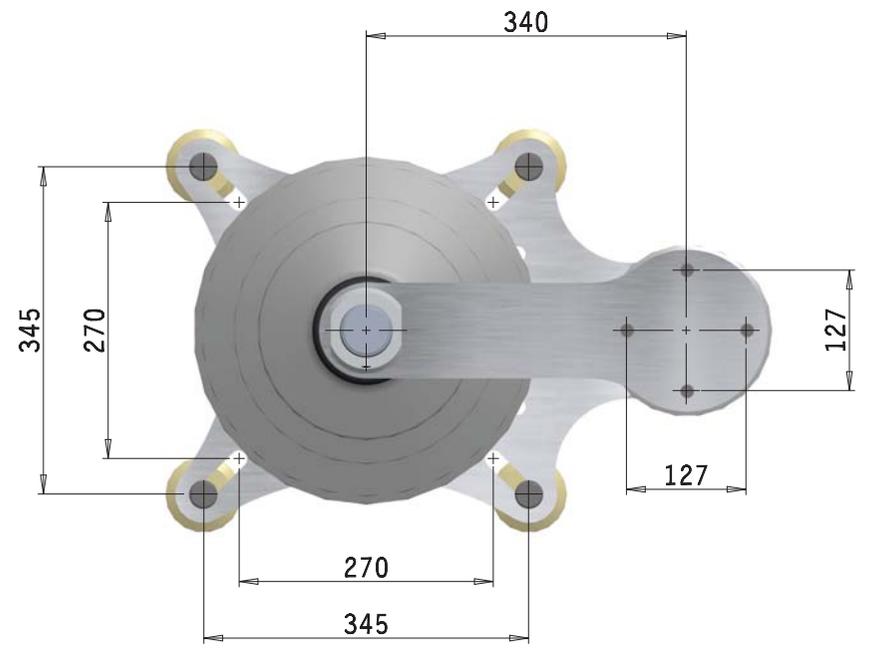
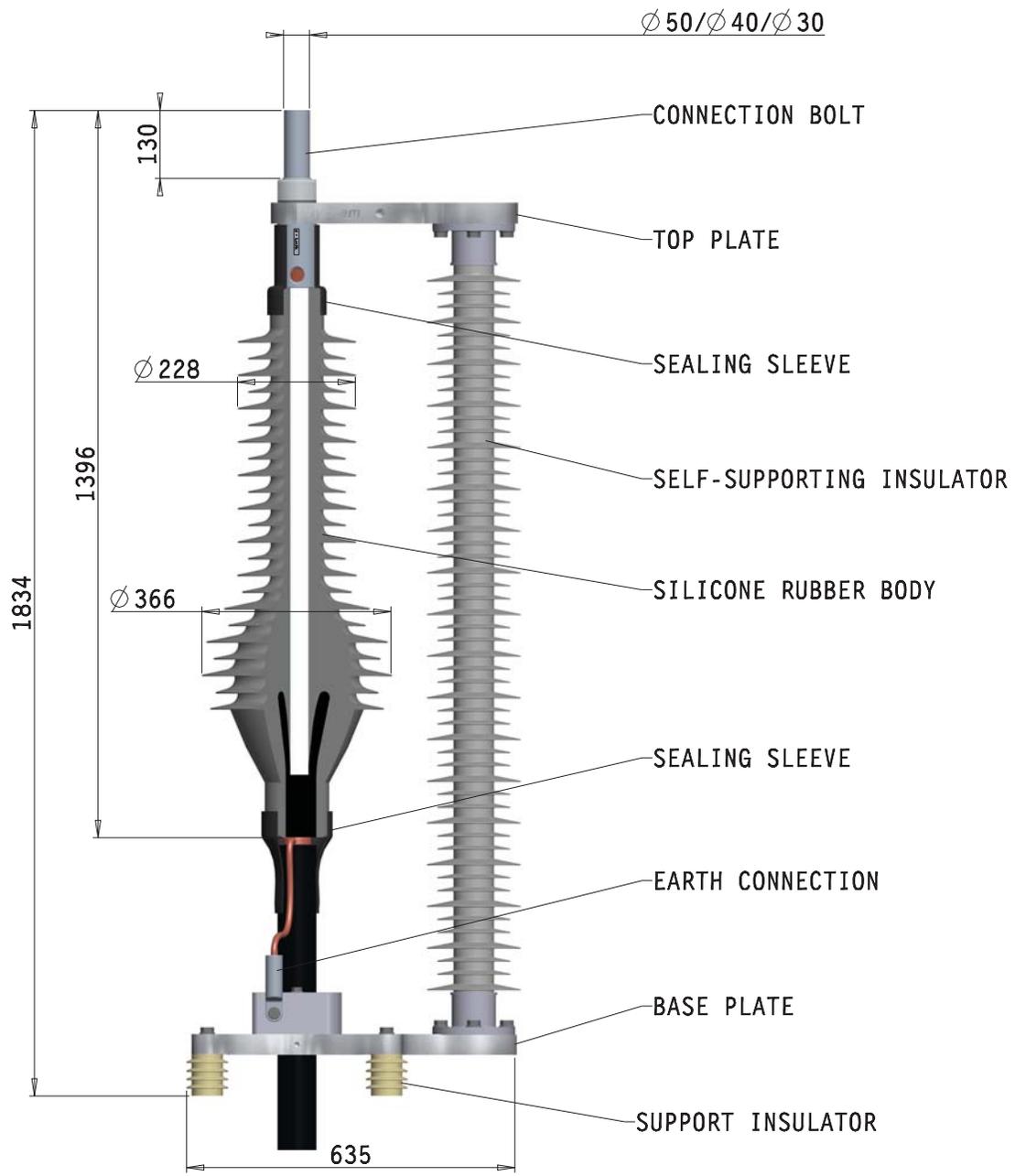
USA:	+ 1 800 327 6996
Canada:	+ 1 (905) 475-6222
Mexico:	+ 52 (0) 55-1106-0800
Latin/S. America:	+ 54 (0) 11-4733-2200
France:	+ 33 380 583 200
UK:	+ 44 0870 870 7500
Germany:	+ 49 896 089 903
Spain:	+ 34 916 630 400
Italy:	+ 39 333 250 0915
Benelux:	+ 32 16 508 695
Russia:	+ 7 495-790 790 2-200
China:	+ 86 (0) 400-820-6015

te.com/energy

© 2019 TE Connectivity. All Rights Reserved. EPP-3438-DDS-12/19-OHVT-72FS-TE

Raychem, TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

While TE Connectivity(TE) has made every reasonable effort to ensure the accuracy of the information in the catalog, TE does not guarantee that it is error free, nor does TE make any other representation, warranty or implied warranties regarding the information contained herein, including, but not limited to, any implied warranties or merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purpose only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.



OUTDOOR-TERMINATION
 72 kV
 COMPOSITE-INSULATOR
 FOR POLYMERIC-CABLE
 OHVT-72FS
 Offer drawing


Raychem High Voltage Cable Accessories
 TE Connectivity drawing no:
 EPD-204-2241-00
 REV. 1