



INSULATED ADAPTER TERMINATION SYSTEM (RICS)

FOR SF6-INSULATED SWITCHGEAR UP TO 24 kV

KEY FEATURES

- Perfect sealing, electrical insulation and electrical connection
- Connection to bushing Type C according EN80181
- Insulating adapter is compatible with all Raychem terminations
- Adapters are water tight
- Universal technology increasing the reliability, irrespective of the type of cable used in the network

TE Connectivity's (TE) Raychem insulating adapter RICS (630 A) is for the connection on outer cone bushings Type C according to EN-50181. It is compatible with all Raychem terminations and can thus be used to connect any type of cable, irrespective of whether it is paper or plastic insulated or has one or three cores.

The insulated adapter termination system provides perfect sealing, electrical insulation and an electrical connection between Raychem terminations and SF6-insulated switchgear up to 24 kV. The compact design of the adapters and their clear cut profiles simplify installation. The electrical connection with the aid of a stud renders additional fastening systems unnecessary.

TE Energy has several decades of experience in the field of hermetically insulated termination systems for medium voltage applications. The adapters are watertight and can operate under extreme environmental conditions with severe pollution.

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

Insulated Adapter Termination System



RICS adapters come in various types:

T-adapter with or without surge arrester

Thick walled insulator made of high quality elastomer with sealing face over the termination, bushing cone and plug. The electrical connection is made with a terminal stud and the cable lug of the termination. Two cable connection is possible.

A special plug which allows cable testing without disconnecting the adapter is also offered. The design of the adapter for connecting the RDA surge arrester is basically identical. The elastomer insulator has an additional lead-in duct for the surge arrester. Scope of supply (for three phases) insulator, plug, terminal stud, small accessories and installation instructions.



Straight adapter

A thick walled, heat-shrinkable insulating sleeve provides a hermetic seal over the cone of the bushing and the termination. The adapter area is smoothed with a meltable filler strip. Scope of supply (for three phases) heat-shrinkable insulating sleeving, filler strip, small accessories and installation instructions. Terminal stud and lug must be enclosed.



PRODUCT SELECTION INFORMATION

Description	System Voltage (kV)	Cross Section (mm ²)	Diameter of Termination (mm)
RICS-5113	12	25 - 50	17.5 - 24
RICS-5123	12	70 - 150	21.5 - 28
RICS-5133	12	185 - 240	27 - 35
RICS-5143	12	300	32.5 - 42
RICS-5123	24	25 - 70	21.5 - 28
RICS-5133	24	95 - 185	27 - 35
RICS-5143	24	240 - 300	32.5 - 92
Kits to connect surge arrester RDA			
RICS-5139	12	185 - 240	27 - 35
RICS-5149	12	300	32.5 - 42
RICS-5139	24	185 - 240	27 - 35
RICS-5149	24	300	32.5 - 42

TESTING

The adapters conform to IEC 540, and VDE 0278 specifications, as well as to the Raychem specification PPS 3013. The test requirements and results are summarized in Raychem Test Report PPR 1106, which is available on request.

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