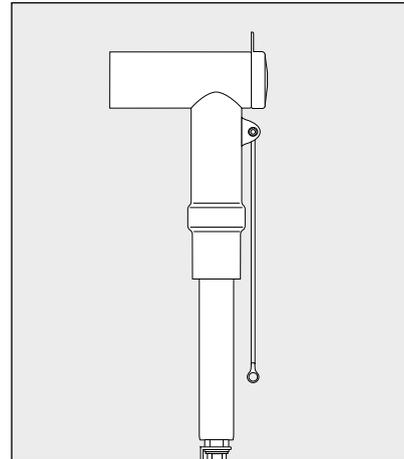




## TE's Raychem Cable Accessories



### Installation Instructions EPP-1871-8/19

### Screened Separable Surge Arrester for Bushing Type "C" in Accordance to EN50181

**Type: RSTI-68SAxx10**

#### **Safety Warning:**

**It is essential to observe the applicable safety regulations for working with high voltage equipment.**

**For precise safety information please contact the responsible authority.**

To view the TE Energy website:



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[TE.com/energy](http://TE.com/energy)

## Before Starting

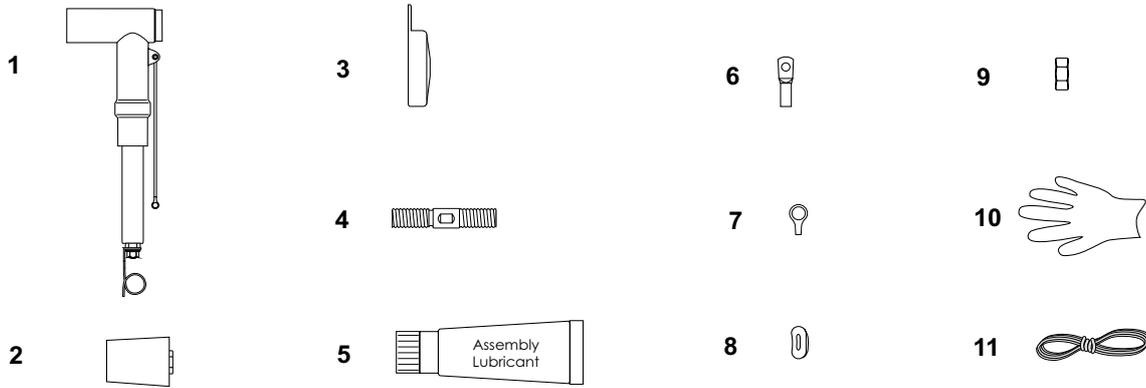
Check to ensure that the kit you are going to use fits the cable.

Refer to the kit label and the title of the installation instructions.

Components or working steps may have been modified since you last installed this product.

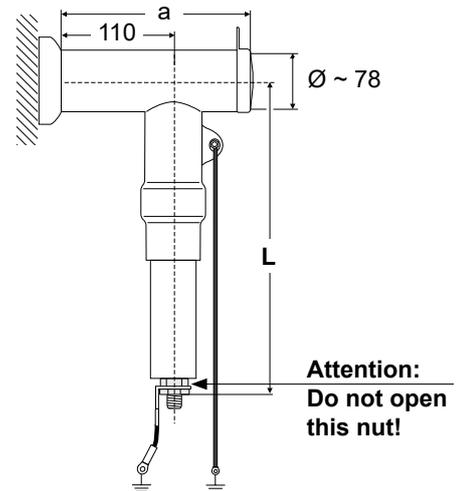
Carefully read and follow the steps in the installation instructions.

## Kit Contents



1	3 x Screened surge arrester with preinstalled earth lead (16 mm <sup>2</sup> , 750 mm)	3	3 x Covering cap	6	3 x Earth cable lug (25 mm <sup>2</sup> )	9	3 x Nut M16
2	3 x Back plug	4	3 x Threaded pin (M16)	7	3 x Screen cable lug	10	3 x Gloves
		5	1 x Assembly lubricant	8	3 x Spring washer	11	1 x String

Reference No.	Nominal discharge current In (kA)	Continuous Operating voltage Uc (kV)	Length L (mm)	Depth a (mm)
RSTI-68SA1210	10	12	285	183
RSTI-68SA1810	10	18	400	183
RSTI-68SA2410	10	24	400	183
RSTI-68SA3010	10	30	520	183
RSTI-68SA3310	10	33	520	183
RSTI-68SA3610	10	36	520	183
RSTI-68SA3910	10	39	530	183
RSTI-68SA4110	10	41	530	183



The Information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, TE Connectivity has no control over the field conditions which influence product installation.

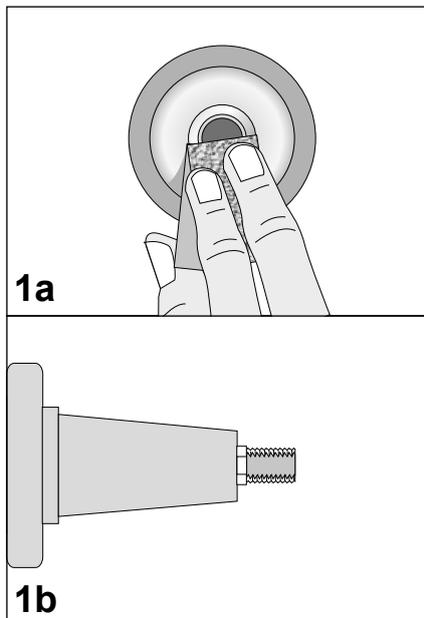
It is the user's responsibility to determine the suitability of the installation method in the user's field conditions.

TE Connectivity's only obligations are those in TE Connectivity's standard Conditions of Sale for this product and in no case will TE Connectivity be liable for any other incidental, indirect or consequential damages arising from the use or misuse of the products.

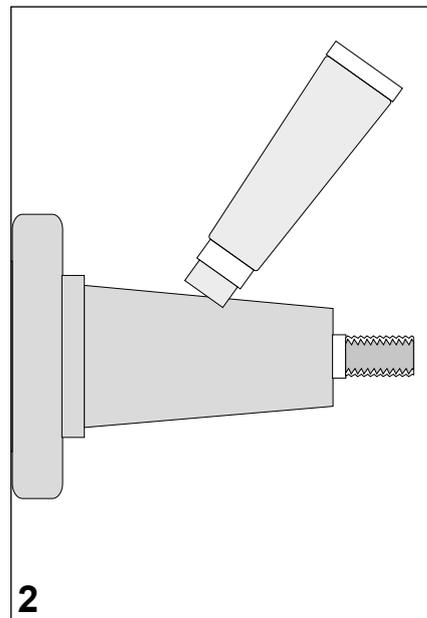
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## Installation of Screened Surge Arrester



- a. Abrade and clean the contact ring of the bushing thread from residuals such as resin or varnish if any.
- b. Insert the threaded stud into the bushing and tighten it up with an Allen key (8 mm). Maximum torque: **35 Nm**.



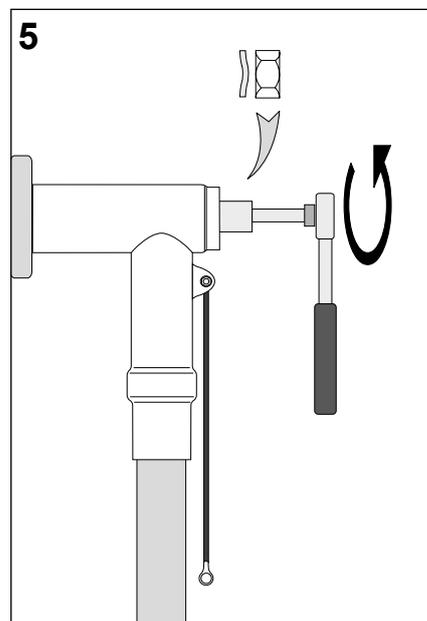
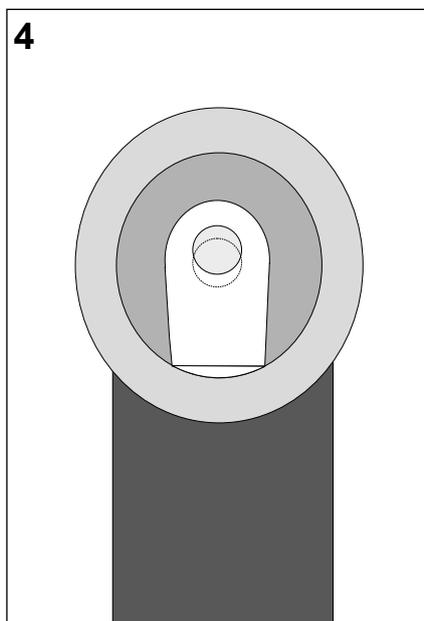
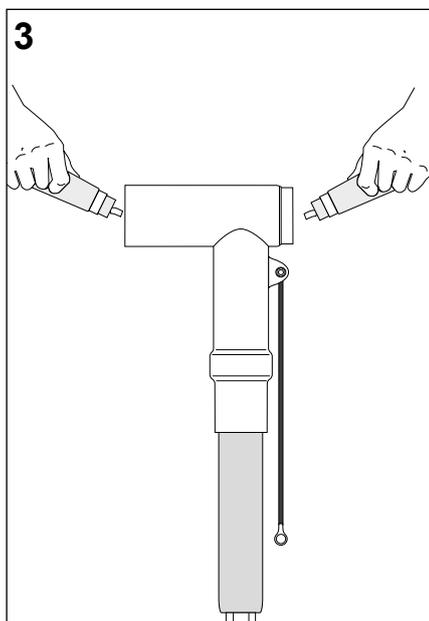
Clean the conical surface of the bushing and lubricate it with the assembly grease as shown.

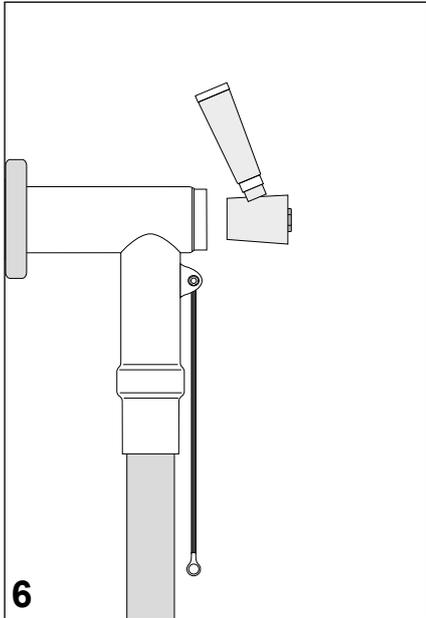
Clean and degrease the front and rear end of the screened surge arrester housing and apply a thin layer of grease onto the inner surface without the sponge top as shown.

**Note:** Use one way glove to evenly lubricate the inner surface at a length of approximately 50 mm.

Align the eye of the surge arrester lug with the threaded pin and push the screened surge arrester onto the bushing.

Insert the spring washer and hex nut. Tighten the hex nut (24 mm) onto the stud with a torque wrench at **30 Nm**.

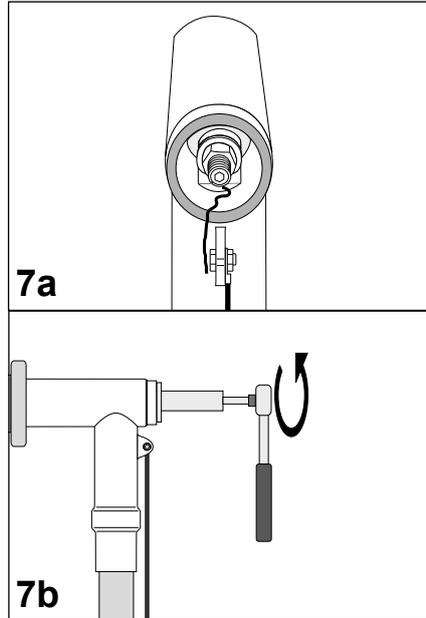
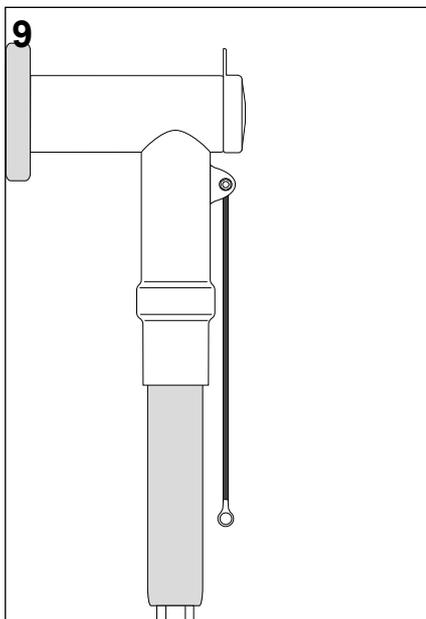




6  
Clean the inner surface of the back end and apply a thin layer of assembly grease. Do the same with the conical interface of the back plug as shown.

Ensure that the grounding lead of the surge arrester housing is fastened tightly.

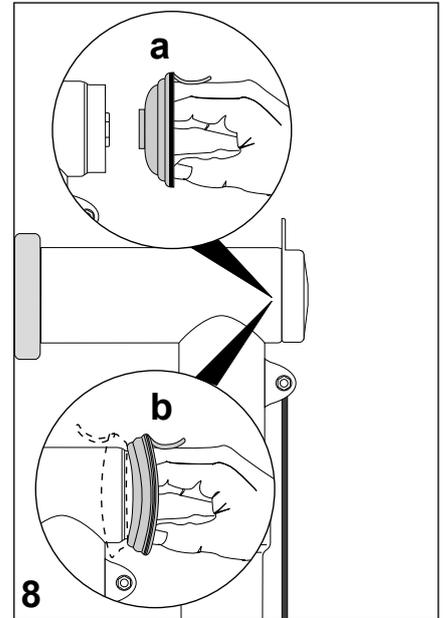
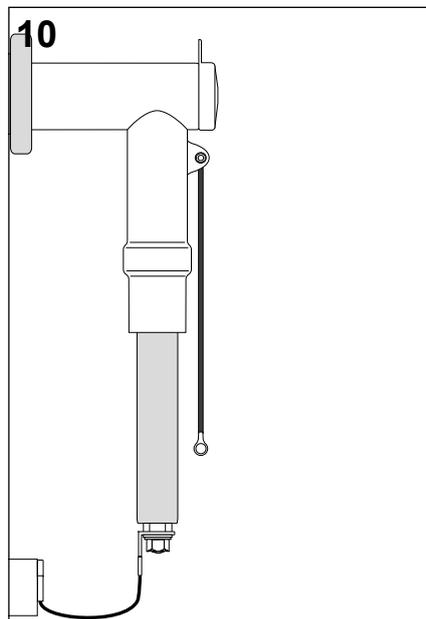
**Perform connection to ground.**



- 7a  
7b
- a. Place a string into the rear entry of the surge arrester housing as shown.
  - b. Insert the back plug and screw it into place using a spanner (19 mm) at a torque of **30 Nm**.

Remove the string prior to the last two turns.

Select the shortest distance to ground and adjust the ground lead of the arrester to that length. Install the lug supplied on the free end of the ground lead.



- 8
- a. Flip-back the endcap as shown in detail **a**. Position the protruding ring onto test point.
  - b. Flip the endcap into final position with your finger as shown in detail **b**.

Mount the ground terminal of the arrester (M12 bolt) on a metal bar for support. The electrical connection inside the adaptor body must not bear any mechanical load.

**Installation completed.**

**Please dispose of all waste according to environmental regulations.**

