

240TE

APPLICATION

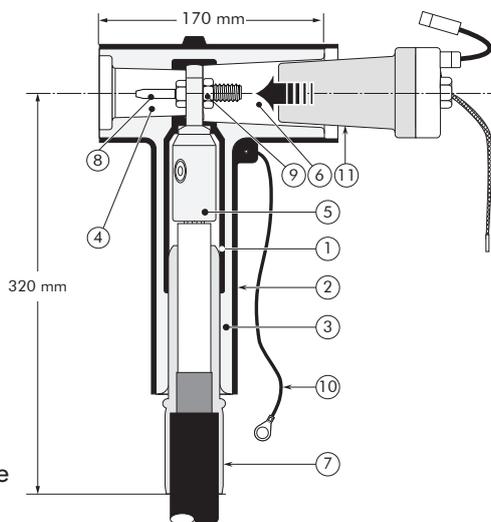
Separable tee shape connector designed to connect polymeric insulated cable to equipment (transformers, switchgear, motors, ...).

The standardized type C interface at the back side allows for the installation of a voltage sensor.

DESIGN

Separable connector comprising:

1. Conductive EPDM insert.
2. Conductive EPDM jacket.
3. Insulating EPDM layer moulded between the insert and the jacket.
4. Type A interface as described by CENELEC EN 50180 and 50181.
5. Conductor contact.
6. Type C interface as described by CENELEC EN 50180 and 50181, suitable for voltage sensor.
7. Cable reducer.
8. Contact pin.
9. Clamping screw + flange nut.
10. Earthing lead.
11. Voltage sensor (optional supply).



The screen break design enables cable outer sheath testing without removing or dismantling the connector.

SPECIFICATIONS AND STANDARDS

The 240TE separable connector meets the requirements of CENELEC HD 629.1.

Separable connector type	Voltage U_m (kV)	Current I_r (A)	Conductor sizes (mm ²)	
			min	max
K240TE/G	24	250	16	300

INTERFACE A SMART TEE CONNECTOR



TECHNICAL CHARACTERISTICS

- A thick conductive EPDM jacket provides a total safe to touch screen.
- Each separable connector is tested for AC withstand and partial discharge prior to leaving the factory.

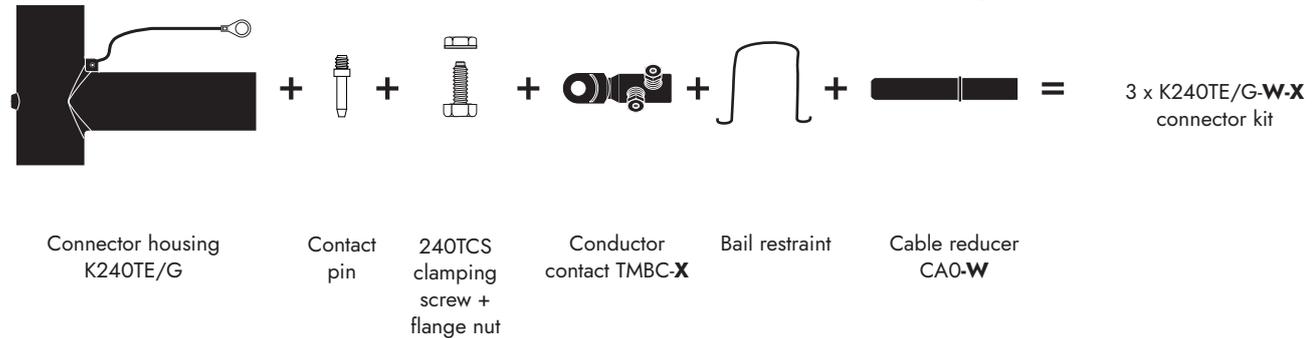
6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV
250 A

EUROMOLD

KIT CONTENTS

The complete K240TE/G tee connector kit comprises 3 x the following components:



The kit also comprises silicone grease, installation cone, gloves, wipers, roll adhesive tape and installation instructions.

ORDERING INSTRUCTIONS

To order the correct tee connector kit, select the ordering part number from table W which gives you the best centring of your core insulation diameter and substitute **X** using table X, according to your conductor size and type.

EXAMPLE:

The cable is 24 kV (Um), 50 mm² compact stranded copper with a diameter over core insulation of 20.5 mm.

Order 3 x K240TE/G-015-16.95UN5 tee connector kit.

OPTIONS

The 240TE can be used with standardized Interface C voltage sensors. A selection of such sensors is available from Nexans:

- For Zelisko voltage sensor SMVS-UW1001, add **+UW1001** to the order reference.
- For ABB voltage sensor KEVA24 C10 or KEVA 24 C10c (with conductive surface), add **+KEVA 24 C10(c)** to the order reference.

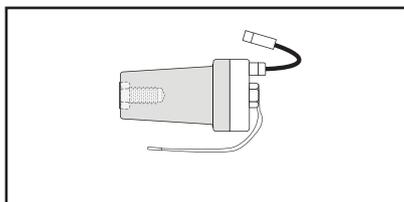


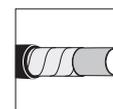
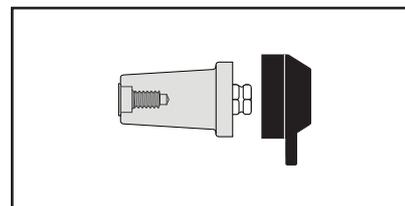
TABLE W

Ordering part number	Dia. over core insulation (mm)	
	min	max
3 x 240TE/G-011-X	12.0	19.0
3 x 240TE/G-015-X	16.0	26.5
3 x 240TE/G-018-X	19.0	32.6
3 x 240TE/G-021-X	22.0	34.6
3 x 240TE/G-027-X	28.5	37.5

TABLE X

Conductor sizes (mm ²)	Aluminium and copper conductor	
	Bolted	
16	16.95UN5	
25		
35		
50		
70		
95	95.300UN5	
120		
150		
185		
240		
300		

The 240TE can also be used as a regular tee connector to connect MV cable to MV equipment. For such applications, the rear interface must be sealed with an insulating plug (incl. cap). Add **+400BIPA** to the order reference.



For use with copper tape screened cables.
Order: Kit MT.



For applications outdoors and in humid climate.
Order: +MWS.