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SURGE ARRESTERS

for direct linking to cable connectors

DESITEK

Member of DEHN group

Application

Protection of transformer, switchgear, cable network and accessories on 12 - 42 kV against voltage surges resulting from lightning or switching.

Euromold

a Nexans company

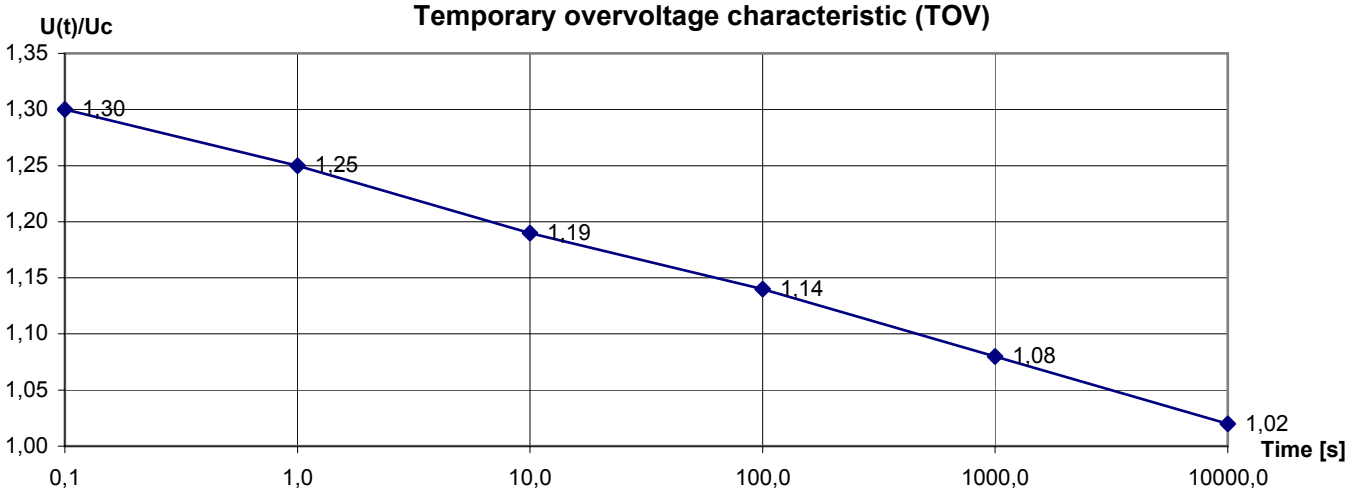
Characteristics

Metal oxide varistor built into a connector configuration. Each arrester is tested for AC withstand voltage, partial discharge and critical voltage according to IEC 60099-4 prior to leaving the factory.
Nominal discharge current is 10 kA.
Earth wire is prepared for assembly with M12-bolt.

Selection guide

Voltage rating must take the following grid parameters into account:

- Basic insulation level (BIL)
- Neutral (isolated, arc suppression coil earthing, direct earthing)
- Earth fault disconnection time – if applicable – see TOV characteristic below



Overvoltage of power frequency can be tolerated for time t

DESITEK A/S, Sunekaer 8, 5471 Soendersoe, Tel: + 45 63 89 32 10, fax: + 45 63 89 32 20, e-mail: desitek@desitek.dk, www.desitek.dk

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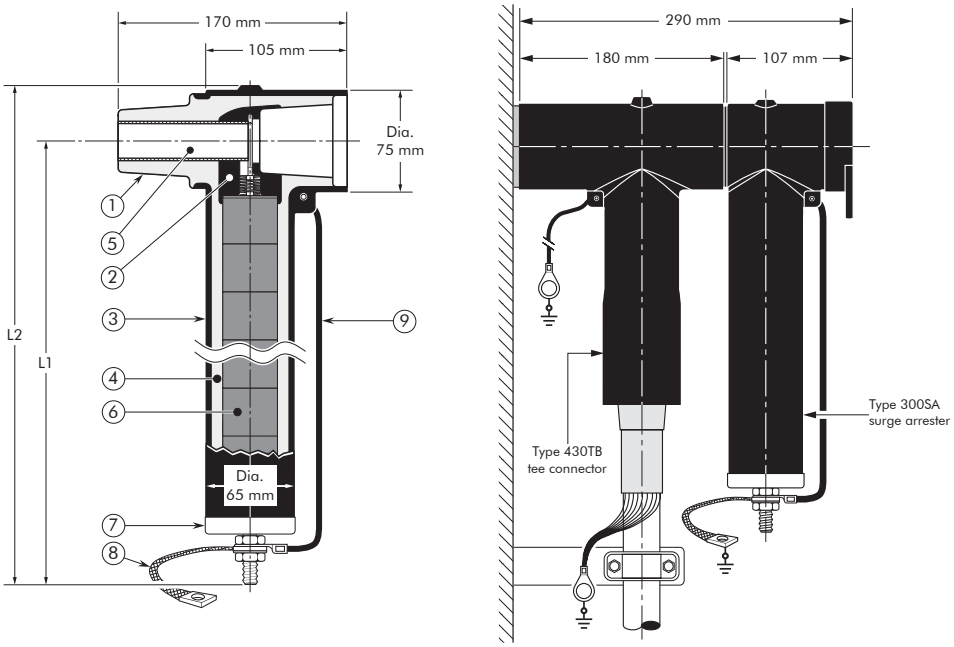
Design:

1. Interface designed to fit 430TB/G or 434TB/G connector
2. Conductive EPDM insert
3. Conductive EPDM jacket
4. Insulating EPDM layer moulded between the insert and the jacket
5. Receptacle for contact rod
6. Metal oxide varistor element
7. Steel cap
8. Earth connection
9. Earth lead



Arrester type 300SA
For connection with 430TB/G or 434TB/G

Arrester type 300SA:

Item No.		Rated voltage U_r [kV]	Max. continuous operating voltage U_c [kV]	Residual voltage @ 10 kA (8/20 µs) [kV]	Dimensions [mm]	
DESITEK (set with 3 pcs.)	Nexans				L1	L2
NSA300-15/10	300SA-10-15N	15	12,0	43,2	250	290
NSA300-18/10	300SA-10-18N	18	14,4	52,2	250	290
NSA300-22/10	300SA-10-22N	22	17,6	63,0	250	290
NSA300-24/10	300SA-10-24N	24	19,2	69,2	350	390
NSA300-30/10	300SA-10-30N	30	24,0	87,2	350	390
NSA300-33/10	300SA-10-33N	33	26,4	90,5	350	390
NSA300-36/10	300SA-10-36N	36	28,8	104,2	350	390
NSA300-45/10	300SA-10-45N	45	36,0	129,5	450	490

Further specifications available on request.

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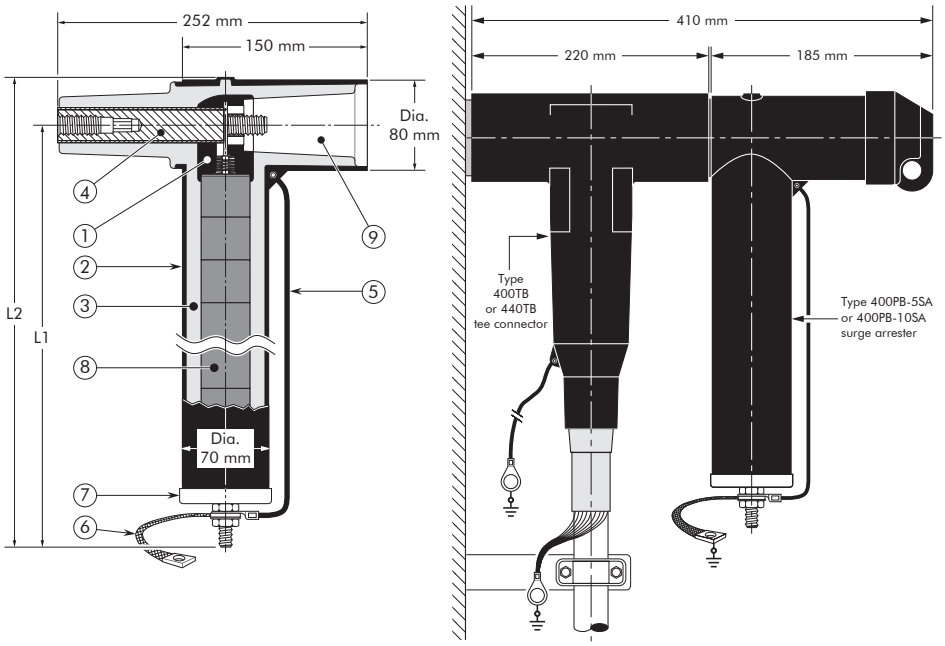
Design:

1. Conductive EPDM insert
2. Conductive EPDM jacket
3. Insulating EPDM layer moulded between the insert and the jacket
4. Contact rod
5. Earthing lead
6. Earth connection
7. Steel cap
8. Metal oxide varistor element
9. Interface type C according to CENELEC EN 50180 and 50181



Arrester type 400PB-XSA
For connection with 400TB/G or 440TB/G

Arrester type 400PB-XSA:

Item No.		Rated voltage U_r [kV]	Max. continuous operating voltage U_c [kV]	Residual voltage @ 10 kA (8/20 µs) [kV]	Dimensions [mm]	
DESITEK (set with 3 pcs.)	Nexans				L1	L2
NSA400-15/10	400PB-10SA-15N	15	12,0	43,2	250	290
NSA400-18/10	400PB-10SA-18N	18	14,4	52,2	250	290
NSA400-22/10	400PB-10SA-22N	22	17,6	63,0	250	290
NSA400-24/10	400PB-10SA-24N	24	19,2	69,2	350	390
NSA400-30/10	400PB-10SA-30N	30	24,0	87,2	350	390
NSA400-33/10	400PB-10SA-33N	33	26,4	90,5	350	390
NSA400-36/10	400PB-10SA-36N	36	28,8	104,2	350	390
NSA400-45/10	400PB-10SA-45N	45	36,0	129,5	450	490

Further specifications available on request.

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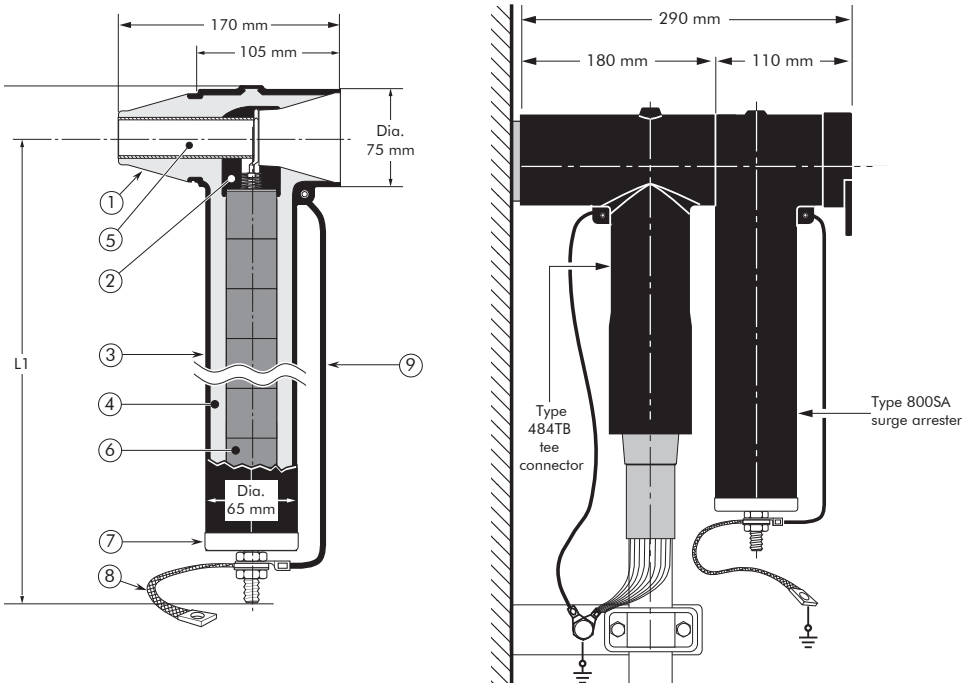
Design:

1. Interface designed to fit 484TB/G connector
2. Conductive EPDM insert
3. Conductive EPDM jacket
4. Insulating EPDM layer moulded between the insert and the jacket
5. Receptacle for contact rod
6. Metal oxide varistor element
7. Steel cap
8. Earth connection
9. Earth lead



Arrester type 800SA
For connection with 484TB/G

Arrester type 800SA:

Item No.		Rated voltage U_r [kV]	Max. continuous operating voltage U_c [kV]	Residual voltage @ 10 kA (8/20 µs) [kV]	Dimensions [mm]	
DESITEK (set with 3 pcs.)	Nexans				L1	L2
NSA800-15/10	800SA-10-15N	15	12	43,2	250	290
NSA800-18/10	800SA-10-18N	18	14,4	52,2	250	290
NSA800-22/10	800SA-10-22N	22	17,6	63,0	250	290
NSA800-24/10	800SA-10-24N	24	19,2	69,2	350	390
NSA800-30/10	800SA-10-30N	30	24	87,2	350	390
NSA800-33/10	800SA-10-33N	33	26,4	90,5	350	390
NSA800-36/10	800SA-10-36N	36	28,8	104,2	350	390
NSA800-45/10	800SA-10-45N	45	36	129,5	450	490

Further specifications available on request.