

# 800SA - Surge arrester for 480/484/489TB/G, EPDM

## Contact

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800SA - Surge arrester for 480/484/489TB/G, EPDM, up to 42 kV - 630 A/1250 A

## DESCRIPTION

### Application

Surge arrester designed to protect 12, 24, 36 and 42 kV class components, including transformers, equipment, cable and accessories from high voltage surges resulting from lightning or switching.

### Technical characteristics

- It has been designed to be used with the 480TB/G, 484TB/G and 489TB/G separable tee connector or 800PB/G, 804PB/G and 809PB/G coupling connector.
- Each arrester is tested for AC withstand, partial discharge and critical voltage prior to leaving the factory.

### Specifications and standards

The 800SA surge arresters meet the test requirements of IEC 60099-4. ATEX version can be delivered on request.



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## STANDARDS

International IEC 60099-4

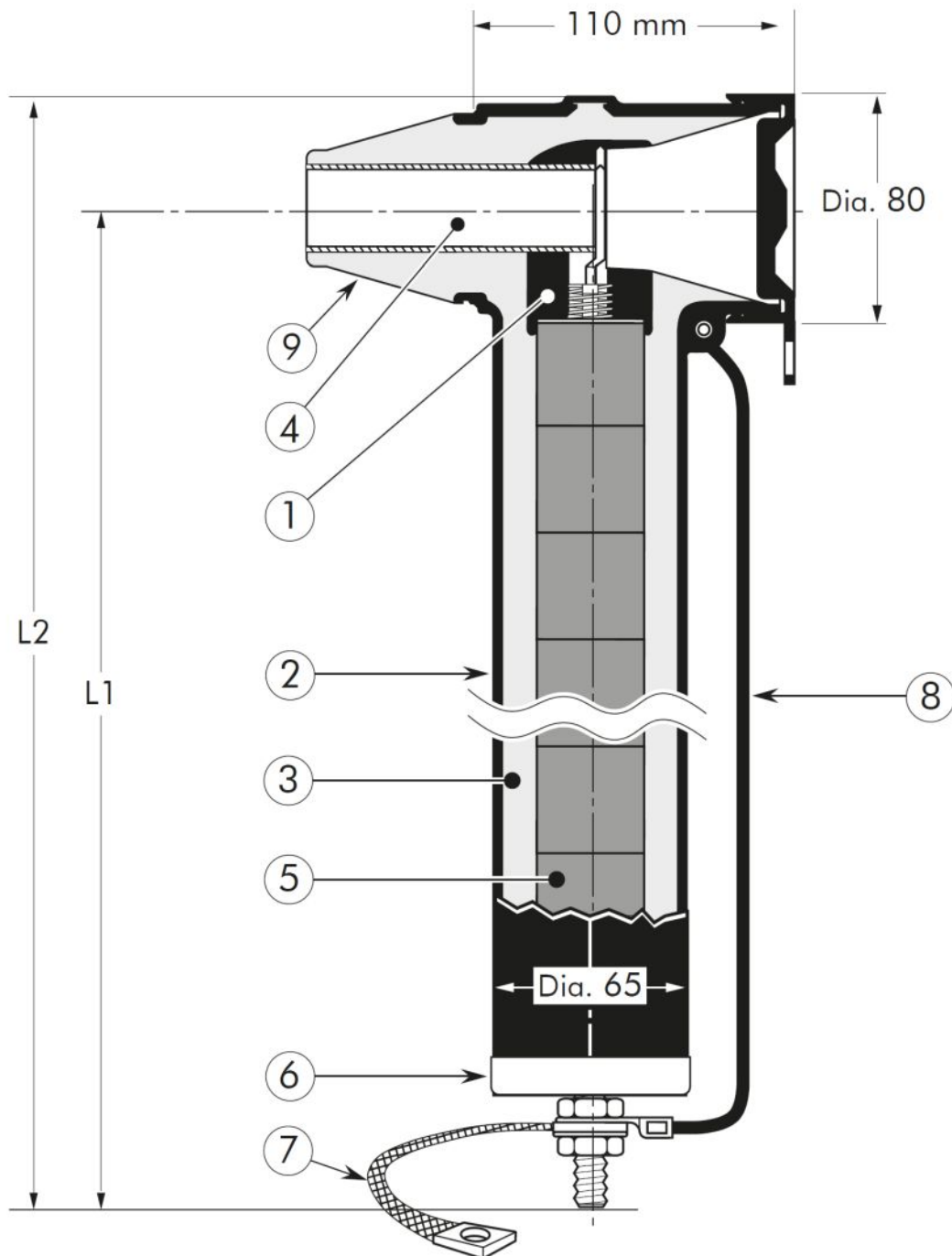
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## DRAWING 800SA



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## DESIGN 800SA

1. Conductive EPDM insert
2. Conductive EPDM jacket
3. Insulating EPDM layer moulded between the insert and the jacket
4. Receptacle for contact rod
5. Metal oxide valve elements
6. Steel cap
7. Earth connection
8. Earth lead
9. Interface designed to fit 480TB/G, 484TB/G and 489TB/G tee connector, 800PB/G, 804PB/G and 809PB/G coupling connector or 480BE/G bushing extender

## SELECTION TABLE 800SA

Surge arrester type	Nominal discharge current $I_n$ (kA)	Rated voltage <sup>1)</sup> $U_r$ (kV)	Max. continuous operating voltage $U_c$ (kV)	High current impulse withstand (kA)	Dimensions (mm)		Ordering part number
					L1	L2	
800SA-10-6N	10	6	4.8	100	250	290	85801
800SA-10-9N	10	9	7.2	100	250	290	85803
800SA-10-12N	10	12	9.6	100	250	290	85805
800SA-10-15N	10	15	12.0	100	250	290	85807
800SA-10-18N	10	18	14.4	100	250	290	85809
800SA-10-22N	10	22	17.6	100	250	290	87149
800SA-10-24N	10	24	19.2	100	350	390	85811
800SA-10-30N	10	30	24.0	100	350	390	85813
800SA-10-33N	10	33	26.4	100	350	390	86998
800SA-10-36N	10	36	28.8	100	350	390	85815
800SA-10-42N	10	42	33.6	100	450	490	85817
800SA-10-45N	10	45	36.0	100	450	490	85819
800SA-10-51N	10	51	40.8	100	450	490	87147

<sup>1)</sup> Surge arresters for other rated voltages available on request.

## ORDERING INSTRUCTIONS 800SA

Indicate the type of surge arrester when ordering (see table). The part numbers each apply to one kit consisting of three surge arresters.

### Order example:

For a max. operating voltage of 24 kV and a nominal discharge current of 10 kA, order according to the table: Surge arrester type 800SA-10-30N with part number 85813.

### Note:

The order information only applies to the use in compensated, high-impedance and insulated networks.

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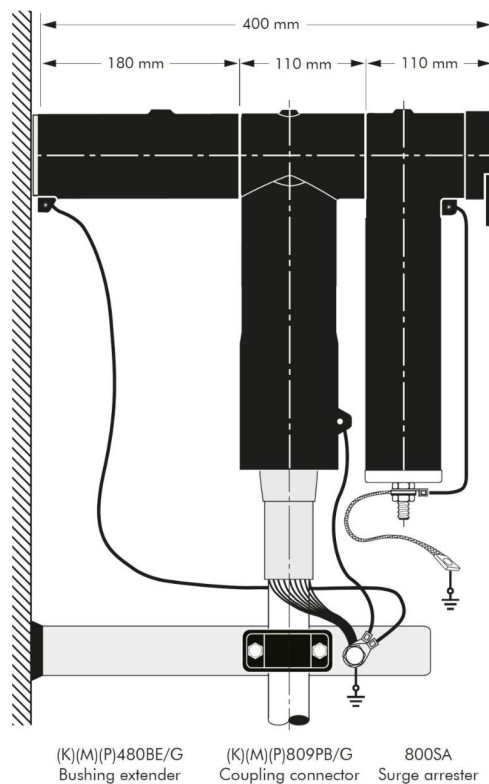
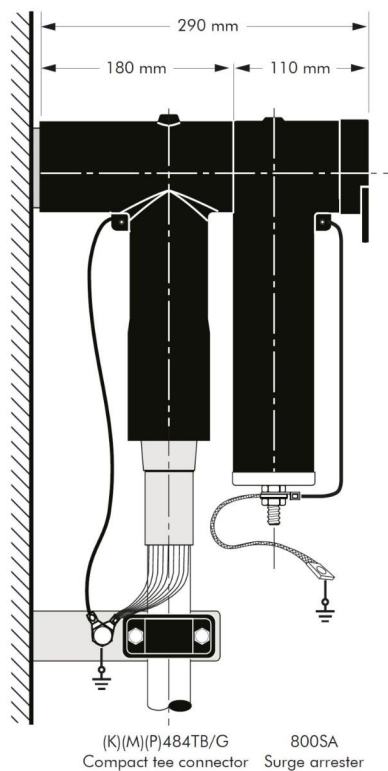
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## TYPICAL APPLICATION AND DIMENSIONS 800SA



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