

PC-SA

Surge arrester for PFC or PCC, upto 42kV, 630A and 1250A

Application

PC-SA is a metal oxide surge arrester with EPDM connector housing. It protects medium voltage networks: transformers, switchgears and cables. Incoming overvoltage waves and voltage increase by reflection are limited.

Features

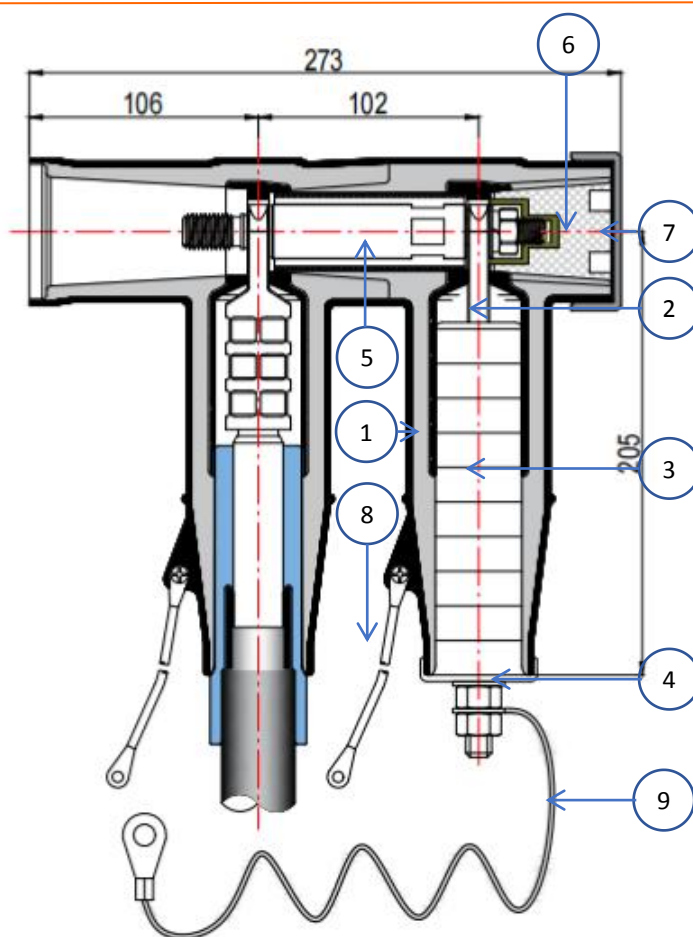
- Quick and easy assembly
- integrated stress control system
- For parallel connection to separable connector PFC or PCC

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV

Design

1. Surge arrester with
Integrated stress control, conductive EPDM insert
Insulating EPDM layer
Conductive EPDM jacket
2. Cable lug
3. Arrester core
4. Steel cap
5. Connecting rod
6. Insulated plug
7. End cover
8. Earth lead
9. Earth connection



Specifications and standard

PC-SA meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 PC-SA Tee separable connector
- Installation instructions
- Silicone grease
- Assembly kits

Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:

PC-SA15 for PFC15 or PCC15

Classification and Dimension

Test item	Unit	PC-SA15	PC-SA24	PC-SA24-P	PC-SA35
Nominal voltage	kV	10	20	20	35
Rated Voltage	kV	17	26	34	51
Continuous running voltage	kV	13.6	20.8	27.2	40.8
Residual voltage under lightning impulse current. Max.	kV	45(50)	66	85(90)	134
DC U1mA Min.	kV	24(25)	37	48	73
Leakage current 0.75U1mA Max./uA	uA	50	50	50	50
Square wave impact capacity 2ms	A	150(75)	150(75)	150(75)	400
Power frequency withstand voltage of insulation jacket	kV/5min	39	54	54	95
Partial discharge voltage (≤ 10 pC)	kV	15	20	20	45