

CTKSA

Coupling surge arrester

Class DH, for separable connector type CTS

The Cellplux surge arrester CTKSA Class DH are designed to protect encapsulated medium voltage systems. The CTKSA coupling surge arresters are specifically designed for mounting on shielded, screw-type Cellpack cable connections and comply with the international standards IEC 60099-4 and IEC 60071.

Characteristics

- With capacitive measuring point
- Individually tested
- Safe-to-touch as the EPDM body is protected by outer semiconductive screen and it is connected to earth
- Quick, safe and easy assembly

Application/Suitability

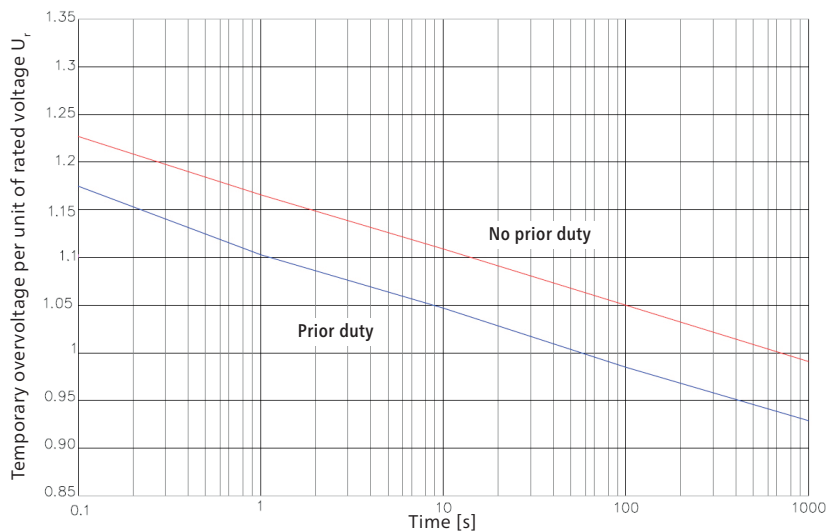
- Indoor
- Outdoor

Storage conditions/Shelf life

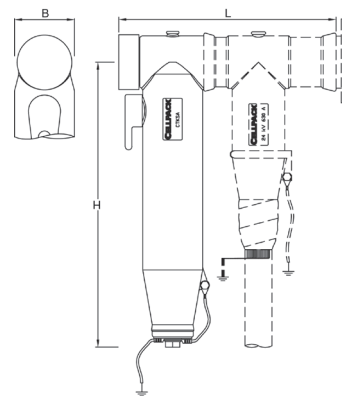
- Unlimited shelf life



Power frequency versus time characteristic (TOV) (initial temperature: 60°C)



Dimensions



Type		L mm	B mm	H mm	Art.-No.
CTKSA	8 kV	290	80	380	423851
	12 kV	290	80	380	423852
	18 kV	290	80	380	423853
	19,5 kV	290	80	380	423854
	22 kV	290	80	380	423855
	24 kV	290	80	380	423856
	34 kV	290	80	380	423857

Technical Data								
Rated discharge current, I _n [kA]		10						
High current impulse 4/10 μs [kA]		100						
Rated short-circuit current [kA]		20						
Repetitive charge transfer rating, Q _{rs} [C]		0,5						
Thermal charge transfer rating, Q _{th} [C]		1,1						
Technical Data / Type		8 kV	12 kV	18 kV	19,5 kV	22 kV	24 kV	34 kV
Rated voltage, U _r [kV]		10,0	15,0	22,5	24,0	27,0	30,0	42,0
Maximum continuous operating voltage, U _c [kV]		8,0	12,7	18,0	19,5	22,0	24,4	34,0
Residual voltage (IEC 60099-4) [kV] with:								
Steep current impulse (1/T, T < 20 μs)		28,3	42,5	63,8	68,0	76,5	85,0	119,0
Lightning impulse 8/20 μs:								
5 kA		24,8	37,2	55,7	59,6	67,0	74,4	104,0
10 kA		26,9	40,3	60,5	64,4	72,5	80,5	112,8
20 kA		29,3	44,0	66,0	70,4	79,2	88,0	123,2