

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.



Product description

Article name	CTKSA 12 kV
Article number	423852

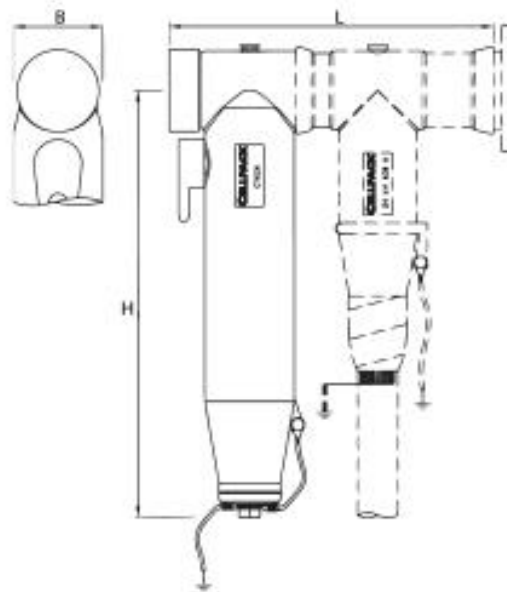
Characteristics

- With capacitive measuring point for voltage checking
- Individually tested
- Outer semi-conductive layer made of semi-conductive EPDM provides protection from exposed electrical parts
- Quick, safe and easy assembly

Applications

- Indoor
- Outdoor

Technical data



Article name	CTKSA 12 kV
Article number	423852
Rated discharge current, I_n [kA]	10 kA
High current impulse 4/10 μ s [kA]	100 kA
Rated short-circuit current	20 kA
Repetitive charge transfer rating, Q_{rs} [C]	0.5 C
Thermal charge transfer rating, Q_{th} [C]	1.1 C
Rated voltage, U_r	15 kV
Maximum continuous operating voltage, U_c	12.7 kV
Residual voltage (IEC 60099-4) with steep current impulse (1/T, $T < 20 \mu$ s)	42.5 kV
Residual voltage (IEC 60099-4) with lightning impulse 8/20 [kV] 5 kA	37.2 kV
Residual voltage (IEC 60099-4) with lightning impulse 8/20 [kV] 10 kA	40.3 kV
Residual voltage (IEC 60099-4) with lightning impulse 8/20 [kV] 20 kA	44 kV
Length L	290 mm
Width B	80 mm
Height H	380 mm
Temporary overvoltage before stress (0.1 sec)	1,227 x U_r
Temporary overvoltage before stress (1 sec)	1,166 x U_r
Temporary overvoltage before stress (10 sec)	1,109 x U_r
Temporary overvoltage before stress (100 sec)	1,050 x U_r
Temporary overvoltage before stress (1000 sec)	0,991 x U_r
Temporary overvoltage after stress (0.1 sec)	1,175 x U_r
Temporary overvoltage after stress (1 sec)	1,103 x U_r
Temporary overvoltage after stress (10 sec)	1,047 x U_r
Temporary overvoltage after stress (100 sec)	0,985 x U_r
Temporary overvoltage before stress (1000 sec)	0,929 x U_r
Temporary overvoltage (associated standard)	IEC 60099-4

Logistics data

Article name	CTKSA 12 kV
Article number	423852
Delivery scope	Set of 3 surge arresters
	Assembly material
	Installation instruction
Shelf life description	Unlimited shelf life
Country of origin	Germany
Customs tariff number	85479000
EAN/GTIN	4010311193182

Packaging data

Packaging type	Carton	Pal. OW
Content quantity	1	24
Unit of measure	Piece	Piece
Length (mm)	470	1200
Width (mm)	260	800
Height (mm)	185	1130
Net weight (kg)	14.807	355.368
Gross weight (kg)	14.807	373.568