

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 8 kV
Article number	423851

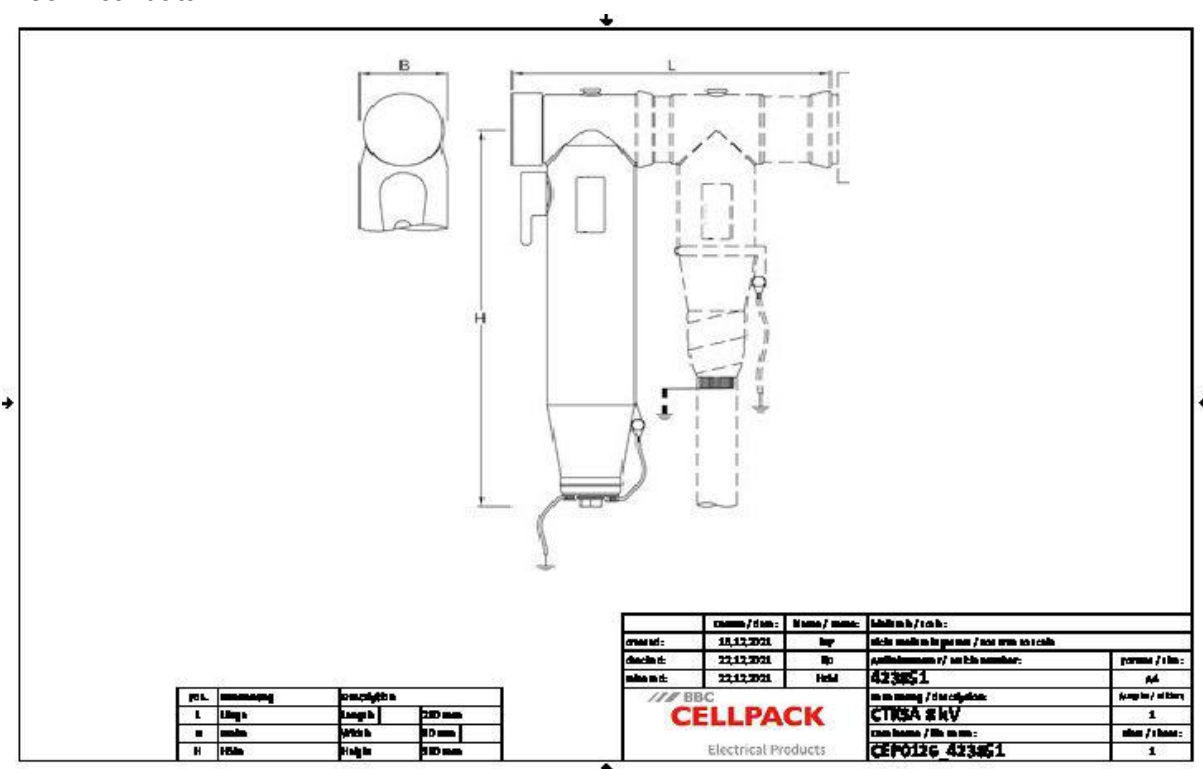
Characteristics

- 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 8 kV
Article number	423851
Rated discharge current, $I_n$	10 kA
High current impulse 4/10 $\mu$ s	100 kA
Rated short-circuit current	20 kA
Repetitive charge transfer rating, Qrs	0.5 C
Thermal charge transfer rating, Qth	1.1 C
Rated voltage, $U_r$	10 kV
maximum continuous operating voltage, $U_c$	8 kV
Residual voltage (IEC 60099-4) with steep current impulse (1/T, $T < 20 \mu$ s)	28.3 kV
Residual voltage (IEC 60099-4) with lightning impulse 8/20 $\mu$ s 5 kA	24.8 kV
Residual voltage (IEC 60099-4) with lightning impulse 8/20 $\mu$ s 10 kA	26.9 kV
Residual voltage (IEC 60099-4) with lightning impulse 8/20 $\mu$ s 20 kA	29.3 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 8 kV
Article number	423851
Delivery scope	Set of 3 surge arresters
	Assembly material
	Assembly instructions
Shelf life description	Unlimited shelf life
Country of origin	Germany
Customs tariff number	85479000
EAN/GTIN	4010311193175

## Packaging data

Alternative unit of measure	Carton	Pal. OW
Base quantity	1	24
Base 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