

# Surge arrester

3-electrode arrester

 Series/Type:
 T61-C350X

 Ordering code:
 B88069X7700B102

 Version/Date:
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## Surge arrester

#### **3-electrode arrester**

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T61-C350X

Features	Applications
<ul> <li>Very fast response time</li> </ul>	<ul> <li>Branch Exchange (MDF)</li> </ul>
<ul> <li>Maximum current rating</li> </ul>	<ul> <li>Line protection</li> </ul>
<ul> <li>Stable performance over life</li> </ul>	<ul> <li>Station protection</li> </ul>
<ul> <li>Low capacitance</li> </ul>	
<ul> <li>High insulation resistance</li> </ul>	
RoHS-compatible	

#### **Electrical specifications**

DC spark-over voltage <sup>1) 2) 4)</sup>	400 ± 25	V %	
	± 25	70	
Impulse spark-over voltage <sup>4)</sup> at 100 V/µs - for 99 % of measured values - typical values of distribution	< 800 < 700	V V	
at 1 kV/µs - for 99 % of measured values - typical values of distribution	< 900 < 800	V V	
Nominal impulse discharge current (wave 8/20 µs) <sup>5)</sup> Single impulse discharge current (wave 8/20 µs) <sup>5)</sup>	20 40	kA kA	
Nominal alternating discharge current (50 Hz, 1 s) <sup>5)</sup> Alternating discharge current (50 Hz, 9 cycles) <sup>5)</sup>	20 130	A A	
Insulation resistance at 100 $V_{dc}^{4)}$	> 10	GΩ	
Capacitance at 1 MHz <sup>4)</sup>	< 1.5	pF	
Transverse delay time 3)	< 0.2	μs	
Arc voltage at 1 A Glow to arc transition current Glow voltage	~ 35 ~ 1 ~ 200	V A V	
Weight	~ 4	g	
Operation and storage temperature	-40 +90	°C	
Climatic category (IEC 60068-1)	40/ 90/ 21		
Marking, blue	YY - Year of prod	<b>350 YY O</b> 350 - Nominal voltage YY - Year of production	

1) At delivery AQL 0.65 level II, DIN ISO 2859 2)

In ionized mode 3)

Test according to ITU-T Rec. K.12 4)

Tip or ring electrode to center electrode Total current through center electrode, half value through 5) tip respectively ring electrode.

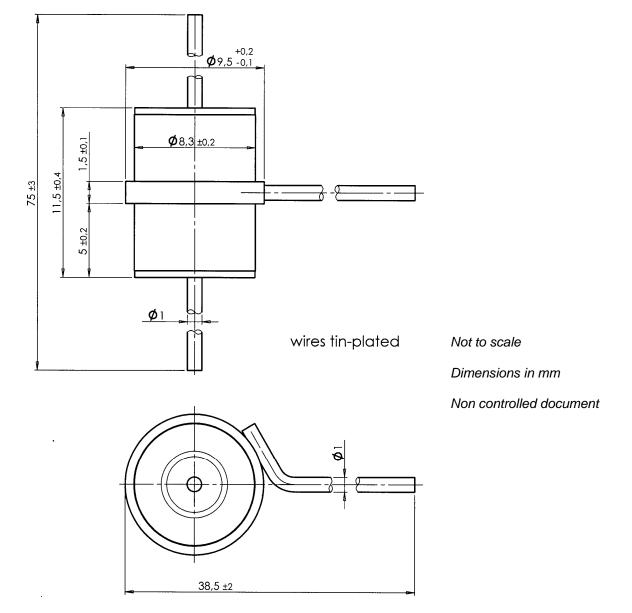
Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845

#### KB AB E / KB AB PM

# **☆TDK**

3-electrode arrester

### **Dimensional drawing**



## Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the lead contacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.

KB AB E / KB AB PM

# Surge arrester

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