



Figure similar

SURGE ARRESTER TYPE 2 REQUIREMENT CAT. C,UC 580V AC PROTECTION BLOCKS PLUGGABLE 3POLES, 3+0 CIRCUIT FOR IT SYSTEMS WITHOUT N CONDUCTOR COMMUNICATION CONTACT

Model		
product brand name		SENTRON
Product designation		Surge protection device
<b>Design of the product</b>		Surge arrester
<b>Type of distribution system</b>		IT systems
<b>Design of the switching function</b>		1 CO
<b>Signal design</b>		Defect signaling contact

General technical data		
<b>Response delay</b>	ns	25
<b>Insulation material</b>		PA 6.6
<b>Residual voltage / at (8/20) <math>\mu</math>s</b>	kV	2.56
<b>SPD classification / acc. to EN 61643-11 / Test Class II, Type 2</b>		Yes

Voltage		
<b>Fuse protection type / at input for supply voltage</b>		125 gL/gG
<b>Size of surge arrester</b>		3WM
<b>Limit voltage</b>		
<ul style="list-style-type: none"> <li>at pulse curve shape B3/C1 / at (6 kV/3 kA) / acc. to IEEE C 62.41 and BS 6651</li> </ul>	kV	1.9
<ul style="list-style-type: none"> <li>with pulse curve shape C2 / at (10 kV/5 kA) / acc. to IEEE C 62.41 and BS 6651</li> </ul>	kV	2
<ul style="list-style-type: none"> <li>with pulse curve shape C3 / at (20 kV/10 kA) / acc. to IEEE C 62.41 and BS 6651</li> </ul>	kV	2.3
<b>Short-circuit rating</b>		for 125gL: 25 kA rms
<b>Residual voltage</b>		

• at 10 kA / at (8/20) $\mu$ s	kV	2.3
• at 3 kA / at (8/20) $\mu$ s	kV	1.9
• at 5 kA / at (8/20) $\mu$ s	kV	2.1
Overvoltage category / acc. to IEC 61010-1		III

### Supply voltage

<b>Supply voltage frequency</b>		
• minimum	Hz	50
• maximum	Hz	60
<b>Voltage Protection Rating (VPR) / acc. to UL 1449</b>	V	1 600

### Protection class

<b>Protection class IP</b>		IP20
<b>Combustibility class acc. to UL 94</b>		V0

### Electricity

<b>Discharge current</b>		
• 1 phase / at (8/20) $\mu$ s / maximum	kA	15

### Main circuit

<b>Operating voltage</b>		
• with AC / Rated value	V	500

### Product details

Product component / remote-signaling contact		Yes
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### Connections

<b>Connectable conductor cross-section</b>		
• for rigid conductor		
— minimum	mm <sup>2</sup>	1.5
— maximum	mm <sup>2</sup>	35
• finely stranded		
— minimum	mm <sup>2</sup>	1.5
— maximum	mm <sup>2</sup>	25
<b>Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded</b>		
• minimum	mm <sup>2</sup>	15
• maximum	mm <sup>2</sup>	2
<b>Type of electrical connection</b>		M2 screw thread

### Mechanical Design

<b>Height</b>	mm	99
<b>Depth</b>	mm	65
<b>Mounting type</b>		Rail-mountable NS 35

### Environmental conditions

<b>Ambient temperature</b>		
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- minimum
- maximum

°C	-40
°C	80

**General Product Approval**

**Declaration of Conformity**



**Further information**

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/lowvoltage/catalogs>

**Industry Mall (Online ordering system)**

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SD74731>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WW/view/en/5SD74731/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

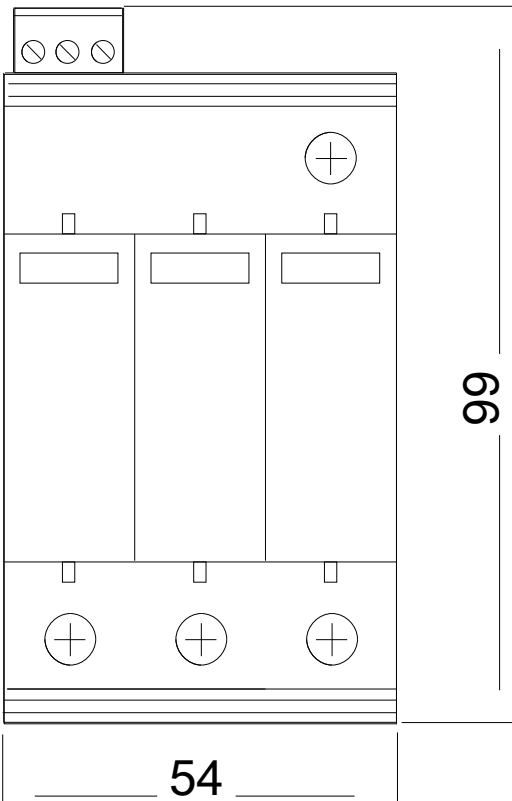
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SD74731](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD74731)

**CAX-Online-Generator**

<http://www.siemens.com/cax>

**Tender specifications**

<http://ausschreibungstexte.siemens.com/tiplv>



last modified:

11.03.2015