



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

Figure similar

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

General technical data		
Response delay	ns	25
Insulation material		PA 6.6
Residual voltage / at (8/20) μ s	kV	2.56
SPD classification / acc. to EN 61643-11 / Test Class II, Type 2		Yes
SPD classification / acc. to EN 61643-11 / Test Class I, Type 1		No
Protection level	kV	2.5

Voltage		
Fuse protection type / at input for supply voltage		125 gL/gG
Size of surge arrester		3WM

Limit voltage		
<ul style="list-style-type: none"> • at pulse curve shape B3/C1 / at (6 kV/3 kA) / acc. to IEEE C 62.41 and BS 6651 	kV	1.9
<ul style="list-style-type: none"> • with pulse curve shape C2 / at (10 kV/5 kA) / acc. to IEEE C 62.41 and BS 6651 	kV	2
<ul style="list-style-type: none"> • with pulse curve shape C3 / at (20 kV/10 kA) / acc. to IEEE C 62.41 and BS 6651 	kV	2.3
Continuous operating voltage		
<ul style="list-style-type: none"> • at AC / maximum 	V	580
Short-circuit rating		for 125gL: 25 kA rms
Residual voltage		
<ul style="list-style-type: none"> • at 10 kA / at (8/20) μs 	kV	2.3
<ul style="list-style-type: none"> • at 3 kA / at (8/20) μs 	kV	1.9
<ul style="list-style-type: none"> • at 5 kA / at (8/20) μs 	kV	2.1
Overvoltage category / acc. to IEC 61010-1		III

Supply voltage

Supply voltage frequency		
<ul style="list-style-type: none"> • minimum 	Hz	50
<ul style="list-style-type: none"> • maximum 	Hz	60
Voltage Protection Rating (VPR) / acc. to UL 1449		V 1 600

Protection class

Protection class IP		IP20
Combustibility class acc. to UL 94		V0

Electricity

Discharge current		
<ul style="list-style-type: none"> • between L and N / 1 phase / at (8/20) μs / maximum 	kA	30
<ul style="list-style-type: none"> • 1 phase / at (8/20) μs / maximum 	kA	15

Main circuit

Operating voltage		
<ul style="list-style-type: none"> • at AC / Rated value 	V	500

Product details

Product component / remote-signaling contact		Yes
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Connections

Connectable conductor cross-section		
<ul style="list-style-type: none"> • for rigid conductor <ul style="list-style-type: none"> — minimum — maximum • finely stranded <ul style="list-style-type: none"> — minimum 	mm ²	1.5
	mm ²	35
	mm ²	1.5

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

Mechanical Design		
Height	mm	99
Width	mm	54
Depth	mm	65
Mounting type		Rail-mountable NS 35
Net weight	g	392

Environmental conditions		
Degree of pollution		2
Ambient temperature		
• minimum	°C	-40
• maximum	°C	80

General Product Approval	Declaration of Conformity
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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, ...)

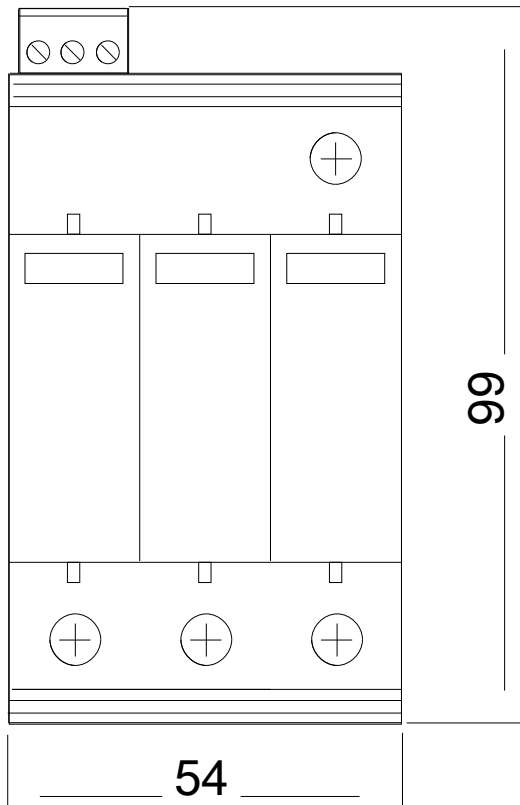
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD74731

CAX-Online-Generator

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

Tender specifications

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



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