



SURGE ARRESTER TYPE 2 REQUIREMENT
 CATEGORY C, UC 350V PLUG-IN PROTECTION
 BLOCKS 4POLE, 3+1 CIRCUIT FOR TN-S AND TT
 SYSTEMS NARROW DESIGN

Model		
product brand name		SENTRON
Product designation		Surge protection device
Design of the product		Surge arrester
Type of distribution system		TN-S and TT systems
Design of the thread		M5

General technical data		
Response delay	ns	25
Apparent power consumption / in standby mode	mVA	3
Continuous operating voltage / with AC / maximum / Note		(L-N)
Insulation material		PBT
Residual voltage / at (8/20) μs	kV	1.4
SPD classification / acc. to EN 61643-11 / Test Class II, Type 2		Yes
Protection level		
<ul style="list-style-type: none"> • between PE and N and/or L 	kV	1.5

Voltage		
Fuse protection type / at input for supply voltage		125A40AGL/gG (*with feed-through wiring)
Size of surge arrester		2 2/3MW (48 mm)
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
<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	1.1

<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	1.2
Short-circuit rating		for 125gL: 25 kA rms
Residual voltage		
<ul style="list-style-type: none"> at 10 kA / at (8/20) μs 	kV	1.2
<ul style="list-style-type: none"> at 3 kA / at (8/20) μs 	kV	1
<ul style="list-style-type: none"> at 5 kA / at (8/20) μs 	kV	1.1
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	900

Protection class

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

Electricity

Discharge current		
<ul style="list-style-type: none"> 1 phase / at (8/20) μs / maximum 	kA	20
Protection level / between N and L	kV	1.4
Surge voltage resistance / at 6 kV / at (8/20) μs	kV	1.5

Main circuit

Operating voltage		
<ul style="list-style-type: none"> with AC / Rated value 	V	240

Product details

Product component / remote-signaling contact		No
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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 — maximum 	mm ² mm ² mm ² mm ²	2.5 25 2.5 16
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded		
<ul style="list-style-type: none"> minimum maximum 	mm ² mm ²	12 4

Mechanical Design

Height	mm	99
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Depth	mm	64
Mounting type		Rail-mountable NS 35

Environmental conditions

Ambient temperature		
• minimum	°C	-40
• maximum	°C	80

General Product Approval	Declaration of Conformity	other
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KEMA



GOST



UL



EG-Konf.

[Environmental Confirmations](#)

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/5SD74240>

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

<http://support.automation.siemens.com/WW/view/en/5SD74240/all>

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

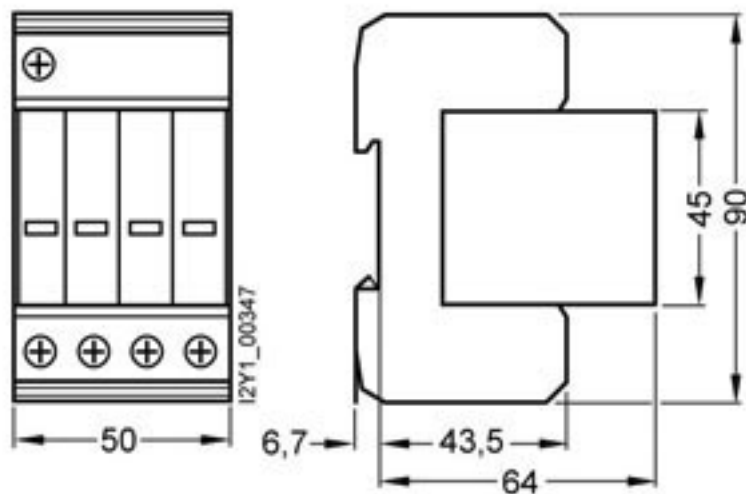
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD74240

CAX-Online-Generator

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

Tender specifications

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



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