



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

Model		
product brand name		SENTRON
Product designation		Surge protection device
Design of the product		Surge arrester
Type of distribution system		TT and TN-S
General technical data		
Response delay	ns	25
Apparent power consumption / in standby mode	mVA	3.5
Insulation material		PA 6.6
Residual voltage / at (8/20) μs	kV	1.4
SPD classification / acc. to EN 61643-11 / Test Class II, Type 2		Yes
Protection level		
• between PE and N and/or L	kV	1.5
Voltage		
Fuse protection type / at input for supply voltage		125 gL/gG
Size of surge arrester		4MW
Limit voltage		
• at pulse curve shape B3/C1 / at (6 kV/3 kA) / acc. to IEEE C 62.41 and BS 6651	kV	1
• with pulse curve shape C2 / at (10 kV/5 kA) / acc. to IEEE C 62.41 and BS 6651	kV	1.1
• 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		
• at 10 kA / at (8/20) μ s	kV	1.2
• at 3 kA / at (8/20) μ s	kV	1
• at 5 kA / at (8/20) μ s	kV	1.1
Overvoltage category / acc. to IEC 61010-1		III

Supply voltage		
Supply voltage frequency		
• minimum	Hz	50
• 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		
• 1 phase / at (8/20) μ s / 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		
• with AC / Rated value	V	240

Product details		
Product component / remote-signaling contact		No

Connections		
Connectable conductor cross-section		
• for rigid conductor		
— minimum	mm ²	0.5
— maximum	mm ²	35
• finely stranded		
— minimum	mm ²	0.5
— maximum	mm ²	25
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded		
• minimum	mm ²	20
• maximum	mm ²	2

Mechanical Design		
Height	mm	99
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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[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/5SD74640>

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

<http://support.automation.siemens.com/WW/view/en/5SD74640/all>

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

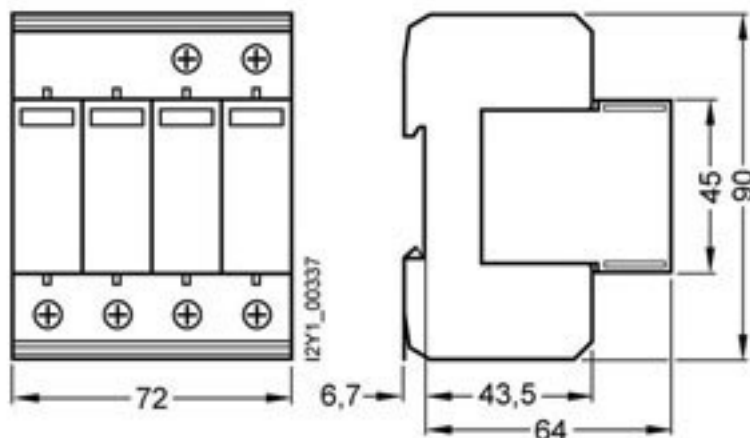
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD74640

CAX-Online-Generator

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

Tender specifications

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



last modified:

11.03.2015