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Data sheet 5SD7434-1



SURGE ARRESTER TYPE 3 REQUIREMENT CATEGORY D RATED VOLTAGE UN 230V UC AC253V, 4POLE FOR 3PHASE POWER SUPPLY

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

General technical data		
Response delay	ns	25
Insulation material		PA 6.6
Apparent power consumption / between L and N / in standby mode	mVA	1 600
Apparent power consumption / between PE and N and/or L / in standby mode	mVA	750
SPD classification / acc. to EN 61643-11 / Test Class II, Type 2		No
SPD classification / acc. to EN 61643-11 / Test Class I, Type 1		No
Protection level		
• between PE and N and/or L	kV	1.5

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Voltage		
Fuse protection type / at input for supply voltage		25A gL, MCB 25A B/C
Size of surge arrester		1WM
Continuous operating voltage		
• at AC / maximum	V	335
Short-circuit rating		for 25gL: 1.5 kA rms
Overvoltage category / acc. to IEC 61010-1		III
Supply voltage		
Supply voltage frequency		
• minimum	Hz	50
• maximum	Hz	60
Protection class		
Protection class IP		IP20
Combustibility class acc. to UL 94		V0
Electricity		
Discharge current		
• between L and N / 1 phase / at (8/20) µs / maximum	kA	4.5
• 1 phase / at (8/20) µs / maximum	kA	1.5
• between N and PE / 1 phase / at (8/20) µs / maximum	kA	10
Protection level / between N and L	kV	1.2
Main circuit		
Operating voltage		
• at AC / Rated value	V	230
Product details		
Product component / remote-signaling contact		Yes
Connections		
Connectable conductor cross-section		
• for rigid conductor		
— minimum	mm²	0.2
— maximum	mm²	4
• finely stranded		
— minimum	mm²	0.2
— maximum	mm²	2.5
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded		
• minimum	mm²	24
• maximum	mm²	12
Type of electrical connection		M2 screw thread

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Mechanical Design

Height	mm	90
Width	mm	36
Depth	mm	58
Mounting type		Rail-mountable NS 35
Net weight	g	135

Environmental conditions

Degree of pollution		2
Ambient temperature		
• minimum	°C	-40
• maximum	°C	85

General Product Approval	Declaration of Conformity	other
		Umweltbestätigung

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/5SD74341

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/5SD74341/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD74341

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://ausschreibungstexte.siemens.com/tiplv

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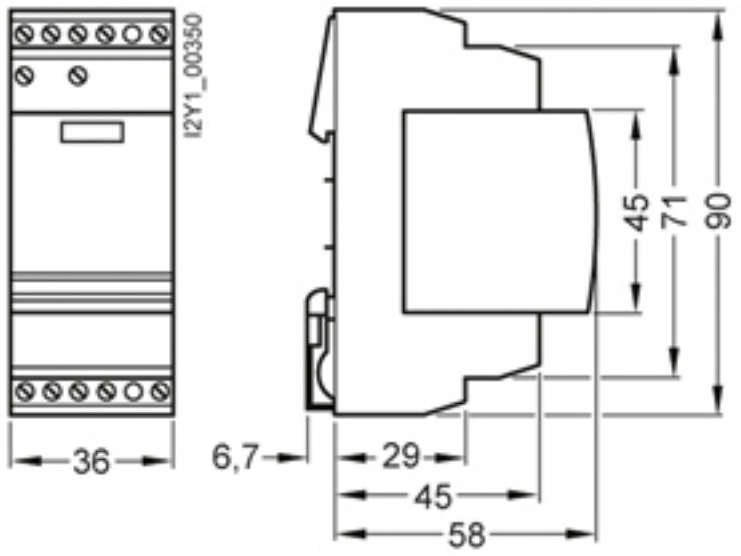

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