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

Technical data:		
product brand name		SETRON
Design of the product		Surge arrester
Operating voltage		
• with AC / nominal value	V	240
Continuous operating voltage / with AC / maximum	V	350
• note		(L-N)
Supply voltage frequency	Hz	50 ... 60
Protection level		
• between N and L	kV	1.4
• between PE and N and/or L	kV	1.5
Apparent power consumption / in standby mode	mVA	3.5
Impulse discharge current		
• for 1-phase / at (8/20) µs / maximum	kA	20
• between N and PE / for 1-phase / at (8/20) µs / rated value	kA	20
• between L and N / for 1-phase / at (8/20) µs / maximum	kA	40
• between N and PE / for 1-phase / at (8/20) µs / maximum	kA	40
Surge withstand capability / at 6 kV / at (8/20) µs	kV	1.5
Residual voltage		

• at (8/20) µs	kV	1.4
• between L and PE / at (8/20) µs	kV	1.6
• between L and PE / at (8/20) µs	kV	0.5
• at 10 kA / at (8/20) µs	kV	1.2
• between L and PE / at 10 kA / at (8/20) µs	kV	1.3
• between N and PE / at 10 kA / at (8/20) µs	kV	0.3
• at 5 kA / at (8/20) µs	kV	1.1
• between L and PE / at 5 kA / at (8/20) µs	kV	1.2
• between N and PE / at 5 kA / at (8/20) µs	kV	0.25
• at 3 kA / at (8/20) µs	kV	1
• between L and PE / at 3 kA / at (8/20) µs	kV	1.1
• between N and PE / at 3 kA / at (8/20) µs	kV	0.2
Voltage Protection Rating (VPR) / according to UL 1449	V	900
Limit voltage		
• at puls curve shape C3 / at (20 kV/10 kA) / according to IEEE C 62.41 and BS 6651	kV	1.2
• at puls curve shape C2 / at (10 kV/5 kA) / according to IEEE C 62.41 and BS 6651	kV	1.1
• at puls curve shape B3/C1 / at (6 kV/3 kA) / according to IEEE C 62.41 and BS 6651	kV	1
Dead time	ns	25
Degree of pollution		2
Overvoltage category / according to IEC 61010-1		III
Product component / fuse		No
Protection class IP		IP20
Insulation material		PBT
Combustibility class acc. to UL 94		V0
Type of fusing / at input for supply voltage		125A40AGL/gG (*with feed-through wiring)
Short-circuit firmness		For 125gL: 25 kA rms
Ambient temperature	°C	-40 ... +80
Mounting type		Rail-mountable NS 35
• for rigid conductor / maximum	mm²	25
• for rigid conductor / minimum	mm²	2.5
• maximum	mm²	16
• minimum	mm²	2.5
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding		
• finely stranded	mm²	12 ... 4
Design of the thread		M5
Product component / remote-signaling contact		Yes
Size of the surge arrester		2 2/3MW (48 mm)

SPD classification / according to EN 61643-11		No Yes No
• Test Class I, Type 1 • test class II type 2 • Test Class III, Type 3		
Signal design		Defect signaling contact
Design of the switching function		1 CO
Design of the electrical connection		M2 screw thread
Stripped length / for remote signaling contact	mm	7
Net weight	g	423

Certificates/approvals:

General Product Approval	Declaration of Conformity	Shipping Approval	other
 GOST	 EG-Konf.	 GL	Environmental Confirmations
 KEMA	 UL		

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/5SD7424-1>

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

<http://support.automation.siemens.com/WW/view/en/5SD7424-1/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7424-1

CAX-Online-Generator

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

last change:

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