



LIGHTNING ARRESTER TYPE 1 REQUIREMENT
CATEGORY B,
UC 350V PLUG-IN PROTECTION BLOCKS 2-POLE,
1+1 CIRCUIT FOR TN-S AND TT-SYSTEMS W. REMOTE
DISPLAY

Similar to image

Technical data:		
product brand name		SETRON
Design of the product		Lightning arrester
Operating voltage		
• with AC / nominal value	V	240
Continuous operating voltage / with AC / maximum	V	350
Supply voltage frequency	Hz	50 ... 60
Protection level		
• between N and L	kV	1.5
• between PE and N and/or L	kV	1.5
• between PE and L / for useful signal	kV	2.5
Apparent power consumption / in standby mode	mVA	3
Impulse discharge current		
• for 1-phase / at (8/20) µs / maximum	kA	25
• for 3-phase / at (8/20) µs / rated value	kA	100
Surge withstand capability / at 6 kV / at (8/20) µs	kV	1.5
Dead time	ns	100
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		315A125A* gl/gG (*with feed-through wiring)
Short-circuit firmness		For 315gL: 50 kA rms
Ambient temperature	°C	-40 ... +80
Mounting type		Rail-mountable NS 35
• for rigid conductor / maximum	mm ²	35
• for rigid conductor / minimum	mm ²	2.5
• maximum	mm ²	25
• minimum	mm ²	2.5
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding		
• finely stranded	mm ²	13 ... 2
Design of the thread		M5
Product component / remote-signaling contact		Yes
Size of the surge arrester		4MW
SPD classification / according to EN 61643-11		
• Test Class I, Type 1		Yes
• test class II type 2		No
• Test Class III, Type 3		No
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	808

Certificates/approvals:

General Product Approval

Declaration of
Conformity

other



GOST



KEMA



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/5SD7412-1>

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

<http://support.automation.siemens.com/WW/view/en/5SD7412-1/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7412-1

CAX-Online-Generator

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

last change:

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