



LIGHTNING ARRESTER TYPE 1, UN 240/400V, UC 335/264V A.C., PLUGGABLE PROTECTION MODULES, 3+1 CIRCUIT (TN-S, TT), WIDTH 72MM REMOTE CONTROL

Model		
product brand name		SENTRON
Product designation		Surge protection device
Design of the product		Lightning arresters
Type of distribution system		TT and TN-C-S
Design of the switching function		1 CO
Design of the thread		M5
Signal design		Defect signaling contact

General technical data		
Response delay	ns	25
Apparent power consumption / in standby mode	mVA	268
Continuous operating voltage / with AC / maximum / Note		(L-N)
Insulation material		PA 6.6 / PBT
Residual voltage / at (8/20) μs	kV	1.2
SPD classification / acc. to EN 61643-11 / Test Class II, Type 2		No
Protection level		
• between PE and L / for wanted signal	kV	2
• between PE and N and/or L	kV	1.7

Voltage		
Fuse protection type / at input for supply voltage		160A80AGL/gG (*with feed-through wiring)
Size of surge arrester		4MW
Short-circuit rating		25 kA rms
Residual voltage		

• at 10 kA / at (8/20) μ s	kV	1.1
• at 3 kA / at (8/20) μ s	kV	0.9
• at 5 kA / at (8/20) μ s	kV	1
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		
• 1 phase / at (8/20) μ s / maximum	kA	12.5
Protection level / between N and L	kV	1.2
Surge voltage resistance / at 6 kV / at (8/20) μs	kV	1.7

Main circuit

Operating voltage		
• with AC / Rated value	V	240

Product details

Product component / remote-signaling contact		Yes
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Connections

Connectable conductor cross-section		
• for rigid conductor		
— minimum	mm ²	1.5
— maximum	mm ²	35
• finely stranded		
— minimum	mm ²	1.5
— maximum	mm ²	25
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded		
• minimum	mm ²	15
• maximum	mm ²	2
Type of electrical connection		M2 screw thread

Mechanical Design

Mounting type		Rail-mountable NS 35
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Environmental conditions

Ambient temperature		
• minimum	°C	-40

• maximum

°C

80

General Product Approval



KEMA



GOST



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/5SD74143>

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

<http://support.automation.siemens.com/WW/view/en/5SD74143/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SD74143

CAX-Online-Generator

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

Tender specifications

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

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