

LIGHTNING ARRESTER TYPE 1 REQUIREMENT
 CATEGORY B, UC 350V PLUG-IN PROTECTION
 BLOCKS 3-POLE, 3+0 CIRCUIT FOR TNC-SYSTEMS
 W. REMOTE DISPLAY



Model		
product brand name		SENTRON
Product designation		Surge protection device
Design of the product		Lightning arresters
Type of distribution system		TN-C system
Design of the switching function		1 CO
Design of the thread		M5
Signal design		Defect signaling contact
General technical data		
Response delay	ns	100
Apparent power consumption / in standby mode	mVA	4
Insulation material		PBT
SPD classification / acc. to EN 61643-11 / Test Class II, Type 2		No
Voltage		
Fuse protection type / at input for supply voltage		315A125A* gl/gG (*with feed-through wiring)
Size of surge arrester		6MW
Short-circuit rating		for 315gL: 50 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		
<ul style="list-style-type: none"> 1 phase / at (8/20) μs / maximum 	kA	25
<ul style="list-style-type: none"> 3 phase / at (8/20) μs / Rated value 	kA	75
Surge voltage resistance / at 6 kV / at (8/20) μs	kV	1.5

Main circuit

Operating voltage		
<ul style="list-style-type: none"> with AC / Rated value 	V	240

Product details

Product component / remote-signaling contact		Yes
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Connections

Connectable conductor cross-section		
<ul style="list-style-type: none"> for rigid conductor <ul style="list-style-type: none"> — minimum — maximum finely stranded <ul style="list-style-type: none"> — minimum — maximum 	mm ²	2.5 35 2.5 25
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded		
<ul style="list-style-type: none"> minimum maximum 	mm ²	13 2
Type of electrical connection		M2 screw thread

Mechanical Design

Mounting type		Rail-mountable NS 35
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Environmental conditions

Ambient temperature		
<ul style="list-style-type: none"> minimum maximum 	°C	-40 80

General Product Approval	Declaration of Conformity	other
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KEMA



GOST



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/5SD74131>

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

<http://support.automation.siemens.com/WW/view/en/5SD74131/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=5SD74131

CAX-Online-Generator

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

Tender specifications

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

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