SIEMENS

Data sheet 5SD7464-1

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

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

General technical data		
Response delay	ns	25
Apparent power consumption / in standby mode	mVA	3.5
Insulation material		PA 6.6
Residual voltage / at (8/20) µs	kV	1.4
SPD classification / acc. to EN 61643-11 / Test Class II, Type 2		Yes
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

Voltage		
Fuse protection type / at input for supply voltage		125 gL/gG
Size of surge arrester		4MW
Limit voltage		
• at pulse curve shape B3/C1 / at (6 kV/3 kA) / acc. to IEEE C 62.41 and BS 6651	kV	1

• with pulse curve shape C2 / at (10 kV/5 kA) / acc. to IEEE C 62.41 and BS 6651	kV	1.1
• with pulse curve shape C3 / at (20 kV/10 kA) / acc. to IEEE C 62.41 and BS 6651	kV	1.2
Continuous operating voltage		
• with AC / maximum	V	350
Short-circuit rating		for 125gL: 25 kA rms
Residual voltage		
• between L and PE / at (8/20) µs	kV	1.6
• between N and PE / at (8/20) µs	kV	0.5
• 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
• 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
• 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
• at 10 kA / at (8/20) µs	kV	1.2
• at 3 kA / at (8/20) µs	kV	1
• at 5 kA / at (8/20) µs	kV	1.1
Overvoltage category / acc. to IEC 61010-1		III

Supply voltage

Supply voltage frequency		
• minimum	Hz	50
• maximum	Hz	60
Voltage Protection Rating (VPR) / acc. to UL 1449	V	900

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	40
• 1 phase / at (8/20) µs / maximum	kA	20
• between N and PE / 1 phase / at (8/20) µs / maximum	kA	40
Protection level / between N and L	kV	1.4
Surge voltage resistance / at 6 kV / at (8/20) µs	kV	1.5

Main circuit

Operating voltage		
• with AC / Rated value	V	240

Product details

Product component / remote-signaling contact		Yes

Connections

Connectable conductor cross-section		
• for rigid conductor		
— minimum	mm²	0.5
— maximum	mm²	35
• finely stranded		
— minimum	mm²	0.5
— maximum	mm²	25
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded		
• minimum	mm²	20
• maximum	mm²	2
Type of electrical connection		M2 screw thread

Mechanical Design

Mounting type		Rail-mountable NS 35
Net weight	g	427

Environmental conditions

Degree of pollution		2
Ambient temperature		
• minimum	°C	-40
• maximum	°C	80

General Product Approval	Declaration of Conformity	other
GOST EAC EG-Konf.		Environmental Confirmations

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

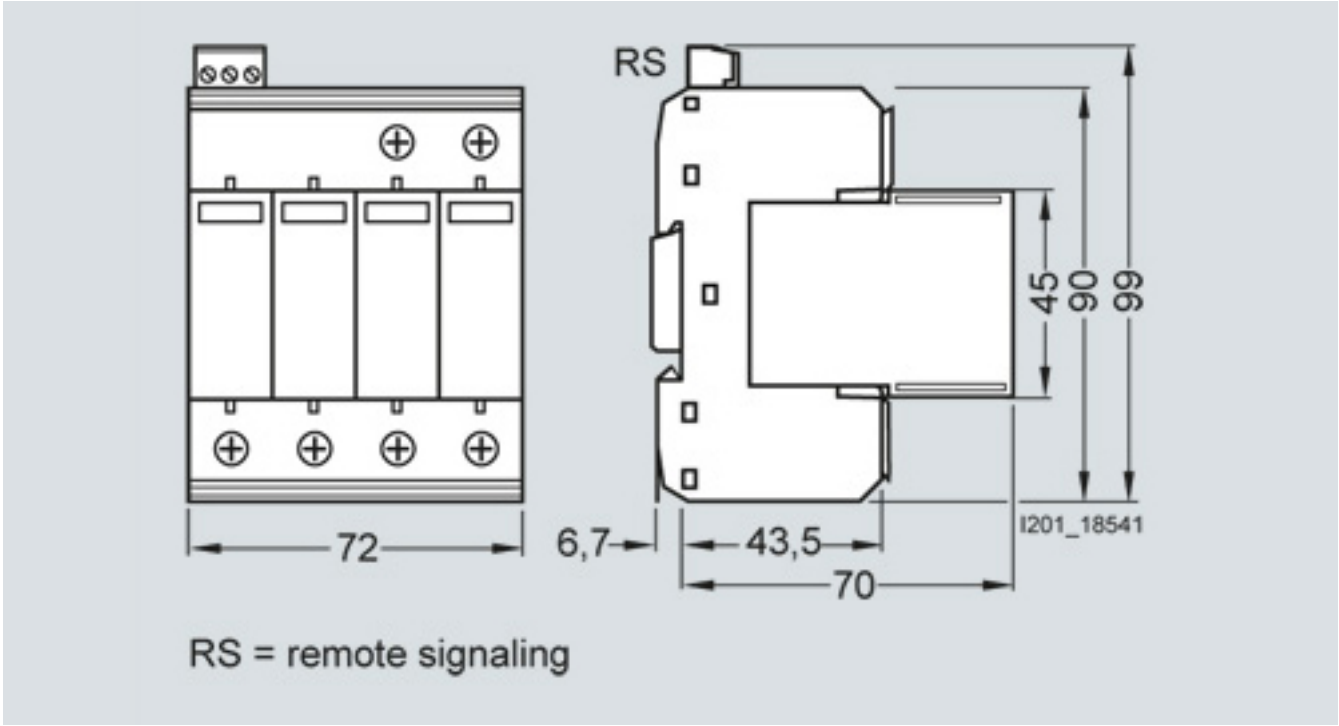
Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SD74641

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/5SD74641/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD74641

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

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



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