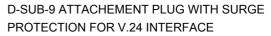
SIEMENS

Data sheet 5SD7581-6





Model	
product brandname	SENTRON
Product designation	Surge protection device
Design of the product	Surge arrester 5SD7 for measuring and control technology
Design of the product / explosion-proof design	No

General technical data				
Break time				
 between L and N / for symmetrical circuit 	ns	1		
• between L or N and PE / for symmetrical circuit	ns	100		
Insertion loss / for symmetrical circuit				
 with characteristic wave impedance 150 ohm / up to 400 kHz / typical 	dB	0.3		
Power pulse current / at (10/1000) µs	Α	50		
Capacity / between switched connecting terminals				
• for symmetrical circuit	nF	1		
 for asymmetrical circuit 	pF	2 000		
Protection level				

 between L or N and PE / for symmetrical circuit / with spike / with pulse curve shape C2 / at (10 kV/5 kA) / acc. to IEC 61643-21 	V	700
 with pulse curve shape C2 / at (10 kV/5 kA) / to signal ground / acc. to IEC 61643-21 	V	700
 for symmetrical circuit / with spike / acc. to IEC 61643-21 	V	55
• for asymmetrical circuit / with spike / acc. to IEC 61643-21	V	400
• to signal ground / acc. to IEC 61643-21	V	30
Overvoltage category		II
Voltage		
Continuous operating voltage		
• at DC / maximum	V	15
Residual voltage / between L and L		
 for rated discharge current / for symmetrical circuit 	V	55
Voltage limitation / of the output voltage		
 between L and L / at rate of voltage rise 1 kV/µs / for spike or statistical distribution in relation to danger level / for symmetrical circuit 	V	50
 between L and PE / for asymmetrical circuit / at rate of voltage rise 1 kV/µs / for spike or statistical distribution in relation to danger level 	V	650
Protection class		
Protection class IP		IP20
Electricity		
Discharge current		
 between L and L / for symmetrical circuit / at (8/20) μs / Rated value 	Α	250
 between sum of all L and PE / for asymmetrical circuit / at (8/20) μs / Rated value 	kA	5
Consumed current / Rated value	А	1
Main circuit		
Operating voltage		
• rated value / maximum	V	15
Product details		
Product component / remote-signaling contact		No
Product function		
Product function / Surge arrester monitoring		No
Connections		

Type of electrical connection			D-sub 9-pole		
Mechanical Design					
Height		mm	25		
Width		mm	102		
Depth		mm	65		
Net weight		g	297		
Material / of the enclosure			ZnAl4Cu1		
Environmental conditions					
Degree of pollution			2		
Ambient temperature					
during operation / minimum		°C	40		
during operation / maximum		°C	85		
Certificates					
Equipment marking					
• acc. to DIN EN 61346-2			F		
• acc. to DIN EN 81346-2			F		
General Product Approval	Declaration of Conformity				





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/5SD7581-6

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

http://support.automation.siemens.com/WW/view/en/5SD7581-6/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7581-6

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv

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