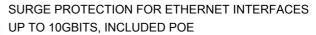
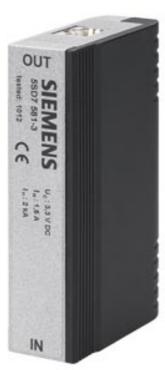
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Data sheet 5SD7581-3





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 100 ohm / up to 5 MHz / typical 	dB	1		
Power pulse current / at (10/1000) µs	Α	40		
Capacity / between switched connecting terminals				
 for symmetrical circuit 	nF	0.012		
 for asymmetrical circuit 	pF	1		
Protection level				

• with pulse curve shape C2 / at (10 kV/5 kA) / to	V	700
signal ground / acc. to IEC 61643-21 Overvoltage category		II
		"
Voltage		
Continuous operating voltage		
• at DC / maximum	V	3.3
Residual voltage / between L and L		
 for rated discharge current / for symmetrical circuit 	V	15
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	9
 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	700
Protection class		
Protection class IP		IP20
Electricity		
Discharge current		
• between L and L / for symmetrical circuit / at (8/20) µs / Rated value	Α	100
 between sum of all L and PE / for asymmetrical circuit / at (8/20) μs / Rated value 	kA	2
Consumed current / Rated value	Α	1.5
Protection level / between L and N / for symmetrical circuit		
• with spike / with pulse curve shape C2 / at (10 kV/5 kA) / acc. to IEC 61643-21	V	700
Main circuit		
Operating voltage		
• rated value / maximum	V	3.3
Product details		
Product component / remote-signaling contact		No
Product function		
Product function / Surge arrester monitoring		No
Connections		
Type of electrical connection		RJ45
Mechanical Design		
Height	mm	25
Width	mm	102

Depth	mm	65
Net weight	g	289
Material / of the enclosure		ZnAl4Cu1

Environmental conditions				
Degree of pollution		2		
Ambient temperature				
during operation / minimum	°C	40		
 during operation / maximum 	°C	85		

Equipment marking F • acc. to DIN EN 61346-2 F • acc. to DIN EN 81346-2

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/5SD7581-3

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

http://support.automation.siemens.com/WW/view/en/5SD7581-3/all

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

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://ausschreibungstexte.siemens.com/tiplv

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