

Surge and Filter Protection

Product Overview/Catalog Number Explanation



Bulletin 4983-DS DIN Rail AC Surge Protective Devices

- Compact modular design
- Robust design avoids unnecessary replacement
- DIN Rail mounted, Type 2
- Replacement (pluggable) module
- Visual status indicator (on unit)
- Remote status indicator

Bulletin 4983-DS offers a number of options to meet your basic surge protection needs. The Bulletin 4983-DS products are connected in parallel and use an MOV to clamp high-voltage surges. The Bulletin 4983-DS devices are primarily used in the main electrical panel for the protection of 1- and 3-phase systems.

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Standards Compliance

- UL 1449, 3rd Edition
- CSA C22.2, No. 8
- IEC 61643-1
- EN 61643-11

Certifications

- cURus Recognized Component (File No. E334011, Guide VZCA2, VZCA8)
- CE Marked
- CSA

Cat. No. Explanation

Examples given in this section are for reference purposes. This basic explanation should not be used for product selection; not all combinations will produce a valid catalog number.

4983 — D S 120 — 40 1

a b c d e

a

Mount	
Code	Description
D	DIN Rail

b

Type	
Code	Description
S	Standard duty

c

Voltage	
Code	Description
120	120V
230	230V
277	480Y/277V
480	480V Delta
600	600V

d

Current Rating	
Code	Description
40	40 kA
80	80 kA

e

Poles	
Code	Description
1	1-pole
2	2-pole
3	3-pole
4	4-pole
1G	1-pole + 1
3G	3-pole + 1

AC Network	Connection Mode	No. of Poles	Max. Continuous Operating Voltage (MCOV) (U_c) [V AC]	Max. Discharge Current 8/20 μ s (I_{max}) [kA]	Nominal Discharge Current 8/20 μ s (I_n) [kA]	Protection Level (U_p) [kV]	UL 1449 Voltage Protection Rating (VPR) [V]	Appropriate Fuse* [A] Max.	Cat. No. Base and Module	Cat. No. Replacement Module Only	Cat. No. Replacement Module Only Gas Discharge Tube								
120	L/G or N/G	1	150	40	20	0.9	700	125	4983-DS120-401	4983-DS120-40	—								
	L/G, N/G	2							4983-DS120-402										
120/208Y	L1/G, L2/G, L3/G	3							4983-DS120-403										
	L1/G, L2/G, L3/G, N/G	4							4983-DS120-404										
230/400	L/G or N/G	1							275			40	20	1.25	1000	125	4983-DS230-401	4983-DS230-40	—
	L/G, N/G	2															4983-DS230-402		
	L1/G, L2/G, N/G	3	4983-DS230-403																
277	L/G or N/G	1	420	40	20	1.8	1500	125	4983-DS277-401	4983-DS277-40	—								
277/480Y	L1/G, L2/G, L3/G	3							4983-DS277-403										
	L1/G, L2/G, L3/G, N/G	4							4983-DS277-404										
480D	L1/G, L2/G, L3/G	3							550			1.8	1800	4983-DS480-403	4983-DS480-40	—			
230/400	L/G, N/G	2	275	40	20	1.25	1000	125	4983-DS230-401G	4983-DS230-40	4983-DS230-40G								
	L1/G, L2/G, L3/G, N/G	4					1000		4983-DS230-403G										
120	L/G or N/G	1	150	40	20	0.9	700	125	4983-DS120-801	4983-DS120-80	—								
	L/G, N/G	2							4983-DS120-802										
120/208Y	L1/G, L2/G, L3/G	3	150	40	20	0.9	700	125	4983-DS120-803	4983-DS120-80	—								
230/400	L/G or N/G	1	275	40	20	1.25	1000	125	4983-DS230-801	4983-DS230-80	—								
	L/G, N/G	2							4983-DS230-802										
	L1/G, L2/G, N/G	3							4983-DS230-803										
277	L/G or N/G	1	420	40	20	1.8	1500	125	4983-DS277-801	4983-DS277-80	—								
277/480Y	L1/G, L2/G, L3/G	3							4983-DS277-803										
	L1/G, L2/G, L3/G, N/G	4							4983-DS277-804										
480D	L1/G, L2/G, L3/G	4							680			1.8	2500	4983-DS277-804	4983-DS277-804	—			
600D	L1/G, L2/G, L3/G	4	690	1.8	2500	4983-DS600-804	4983-DS600-804	4983-DS600-80	—										

* Fuses required to protect the surge protector in case of short-circuit failure. They must be installed in series with each pole of the surge protector.

Note: N = Neutral
 L/N = Line/neutral
 N/G = Neutral/ground

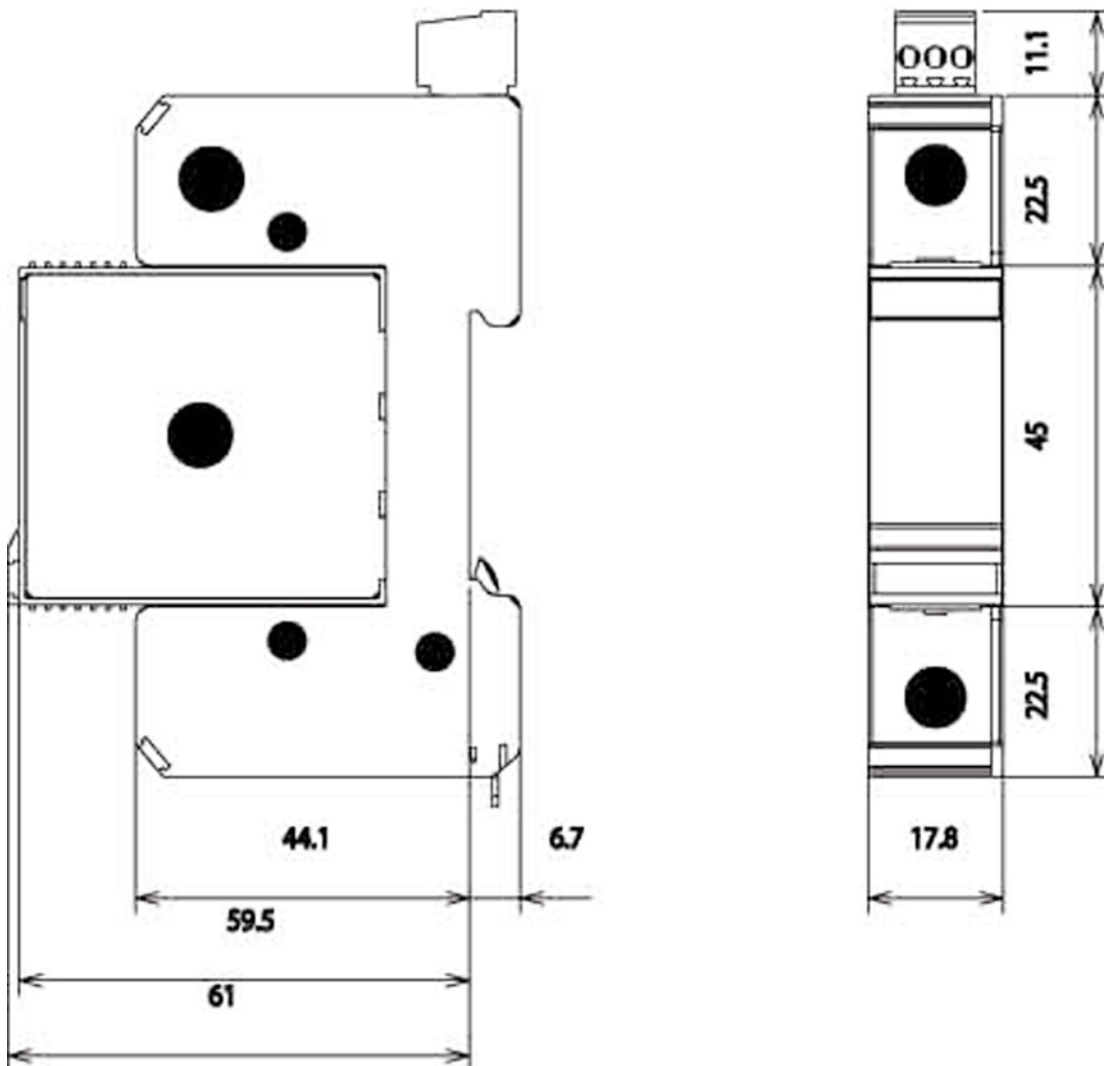
Bulletin 4983-DS
Surge and Filter Protection
 Specifications/ Approximate Dimensions

Specifications

Connection/Mounting Type	Parallel/DIN Rail mount
Standards Compliance	UL 1449, CSA 22.2 No.8, IEC 61643-1, EN 61643-11
Certifications	cURus, CSA, CE marked
Conductor Material	Cu, solid or stranded
Conductor Range	#10...4 AWG (4...28 mm ²)
Strip Length	0.4 in. (10 mm)
Tightening Torque	17.8...22.1 lb•in. (2.0...2.5 N•m)
No. of Conductors/Terminal	1
Operating Temperature	-40...+80 °C

Approximate Dimensions

Note: Dimensions are shown in millimeters. Dimensions are not intended for manufacturing purposes.



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