

**SURGE DIVERTER DIN RAIL COMBO UL1449/UL1283 230/240V AC 5A**

Power Distribution and Protection > Switchboard Monitoring > Surge Protection > Allen-Bradley Fine Protection Surge  
Diversers > 4983-DC DIN Rail Surge Filter



Surge protection and filter device, 1 pole, 240 V AC, 5 A, DIN mount

- Includes small combination (filter and SPD) package sizes
- Features Isatrol technology
- Includes all-mode transient protection with exceptional line-to-neutral value of 25kA
- Provides a status indicator
- Includes Form C contact for remote status indication
- Mounts to DIN rail

Representative Photo Only  
(actual product may vary based on configuration selections)

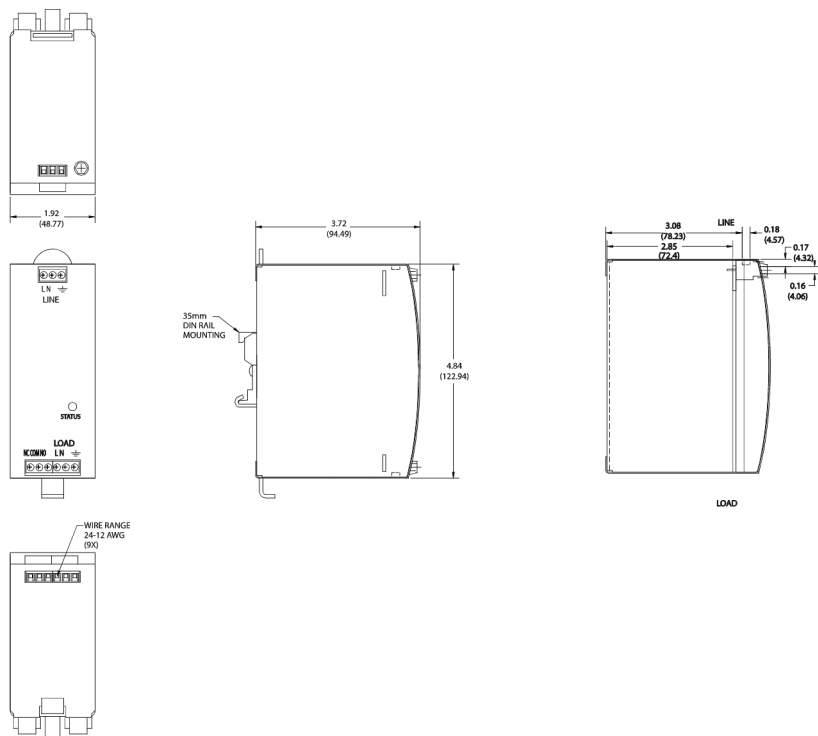
SPECIFICATIONS	
Product Series	4983-DC Surge Protector & Filters
Component Type Surge Protection	Electrical Network Diverter
Un, Nominal Voltage, AC, L-N/PE	240 V AC
Uc, Continuous Operating Voltage, AC, Max	320 V AC
Input Current, Max (rms)	5 A
In, Discharge Current, (8/20) L-N, Nom	3 kA
In, Discharge Current, (8/20) L-PE, Nom	3 kA
In, Discharge Current, (8/20) N-PE, Nom	3 kA
Imax, Discharge Current, (8/20) L-N, Max	25 kA
Imax, Discharge Current, (8/20) L-PE, Max	10 kA
Imax, Discharge Current, (8/20) N-PE, Max	10 kA
Recommended Fuse Current Rating	25 A
Fuse Characteristic Type(s)	UL-CC
Vpr, Voltage Protection Rating, L-L	800 V
Vpr, Voltage Protection Rating, L-PE	1200 V
Rated Frequency	50 / 60 Hz
Connection Mode	Series
Protection Modes	L-N, L-G, N-G modes
Visual Indication	Yes Y/N
Indicator Type	LED
Material, Body / Housing	Metal material
Operational Frequency, Min	47 Hz min
Operational Frequency, Max	63 Hz max
Mounting	DIN-35 Rail Mount
tA, Response time (L-L)	5 ns
Wire / Conductor Size (Min)	18 AWG ( 0.823 mm <sup>2</sup> ) min
Wire / Conductor Size (Max)	12 AWG ( 3.31 mm <sup>2</sup> )
Height	122.94 mm

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Width	48.77 mm
Depth	94.49 mm
Weight	0.45 kg
Operating Temperature, Min	-40 °C min
Operating Temperature, Max	60 °C max
Standards Compliance	EN 61643-11 IEC 61643-1 UL 1449 3rd Edition UL 1283
Certifications	CSA CE C-UR-US

REFERENCES	
IECEEx Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	<a href="#">4983DC24005_Installation Instructions</a>
User Manual:	-
Manufacturer Datasheet:	<a href="#">4983DC24005_Manufacturer Datasheet</a>
Manufacturer Catalogue & Product Selection:	<a href="#">4983DC24005_Manufacturer Catalogue</a>



Cat. Nos. 4983-DCxxx-03, -DCxxx-05  
Dimension Diagram

Power Distribution and Protection > Switchboard Monitoring > Surge Protection > Allen-Bradley Fine Protection Surge Diverters > 4983-DC DIN Rail Surge Filter

**Unprotected Side**

Ground

Neutral/Line2

Line

Fuse or CB

AC Power Input

See Table 1 for fuse/CB rating

**Protected Side**

L N G Line

4983-DC, PF

COM Load

NC NO L N G

Ground

Neutral/Line2

Line

Summary Alarm Contacts (4983-DC only)

NC

Common

NO

PLC


- **Grounding** - Input and output ground terminals must be connected for proper operation. Incorrect grounding can reduce or impede the performance of this unit. A green (with or without one or more yellow strips) insulated ground conductor, identical in size, insulation material, and thickness to the grounded and ungrounded conductors must be installed (ref. NEC, Table 250-95) and referenced back to an acceptable building earth ground.
- **Summary Alarm Contacts** (4983-DC Series only) Form C relay contacts are rated at 10A @ 250V AC, 5A @ 100V DC max, and provide remote indication of protection status. Connections to terminals on unit may be made with #18 AWG conductors.

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