

Product Datasheet

IDD3-50-D220



Image for illustrative purposes only

Delta Connected Surge Diverter

The Novaris IDD3 range has been designed for use in delta connected systems and is DIN compliant.

All Mode Protection

Protection is provided for all combinations of lines ensuring the maximum level of protection is achieved at all times.

Thermal Sensing

Sustained overvoltages can cause components to overheat and degrade. Thermal sensing warns of this condition without disconnecting the protection.

LED Status Active Display

The LED display indicates phase status and normal operation when all LEDs are lit. An extinguished LED indicates a component failure or thermal overload.

Safe Metal Enclosure

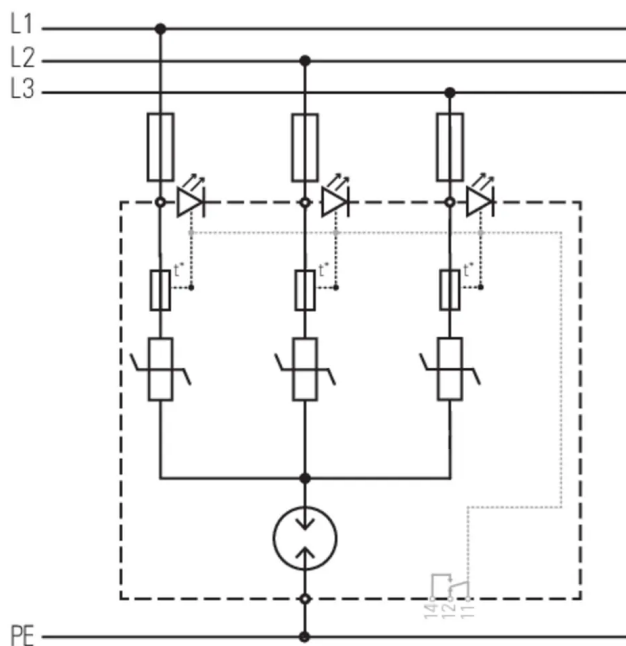
Novaris power protection products are housed in safe, all metal enclosures. In the event of a prolonged overvoltage they will not catch fire or explode.

Optional Alarm Feature

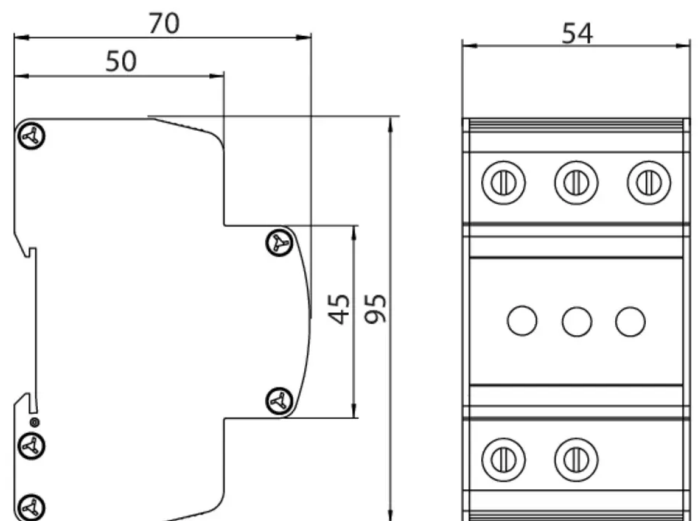
An optional voltage free alarm (suffix -A) contact is available, providing the ability to remotely monitor both power and the status of the SPD.

The colour of the grommets will change starting from 2026. All phases will be black, neutral will be black, and earth will be green

Wiring



Dimensions



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Electrical Specifications

Connection type		Shunt
Modes of protection		L-L & L-PE
Number of ports		1
Number of phases		3
Location		Indoor
Nominal voltage	U_0	220VAC
Short circuit withstand level	I_{SCCR}	25kA
Maximum backup fuse		32A
Recommended SCB		SCB1-3-80
Earth leakage current	I_{PE}	<10 μ A

Electrical (L-PE) Specifications

Maximum continuous voltage AC	U_c	300VAC
Maximum continuous voltage DC	U_c	420VDC
Maximum discharge current (8/20 μ s)	I_{max}	50kA
Nominal discharge current (8/20 μ s)	I_n	20kA
Lightning impulse current (10/350 μ s)	I_{imp}	4kA
Voltage protection level @ 3 kA 8/20 μ s	U_p	1300V
Voltage protection level @ 1 kV/ μ s	U_p	900V
Response time	t_A	<25ns

Indication Specifications

Display		LED power and thermal failure
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Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		TS35 DIN Rail
Environmental rating		IP20
Enclosure material		Aluminium
Enclosure finish		Black powdercoat
Terminal capacity - power		16mm ²
Terminal screw torque - power		2Nm
Length		95mm
Width		54mm
Height		70mm

Standard Specifications

IEC 61643-11	SPD connected to low-voltage power systems - Type 1, 2
AS 1768	Low voltage SPD - Type 2
IEEE 62.41.2	Low voltage SPD - Cat B
UL 1449	Low voltage SPD - Type 2

Shipping Specifications

Weight		320g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		IDD3-50-D220
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