

Product Datasheet

IDE3-200-D480



Image for illustrative purposes only

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

Delta Connected Surge Diverter

The Novaris IDE3 is designed for protecting delta connected systems and is ideal for installing in main switchboards. The design utilises metal oxide varistors (MOVs) between phases and a hybrid MOV + gas discharge tube (GDT) between phase and earth.

Redundant Segments

Parallel redundant arrangement of high energy MOVs, promotes long life and exceptional surge handling capacity.

LED Monitoring of Redundant Segments

LED indicators are provided to indicate operating status of individual MOVs.

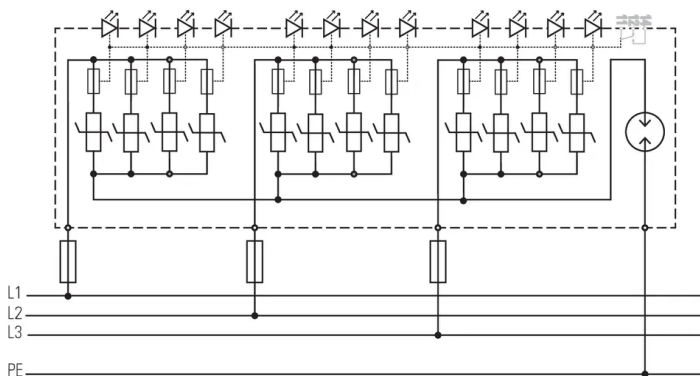
Active Alarm

External alarm allows remote monitoring of surge protection.

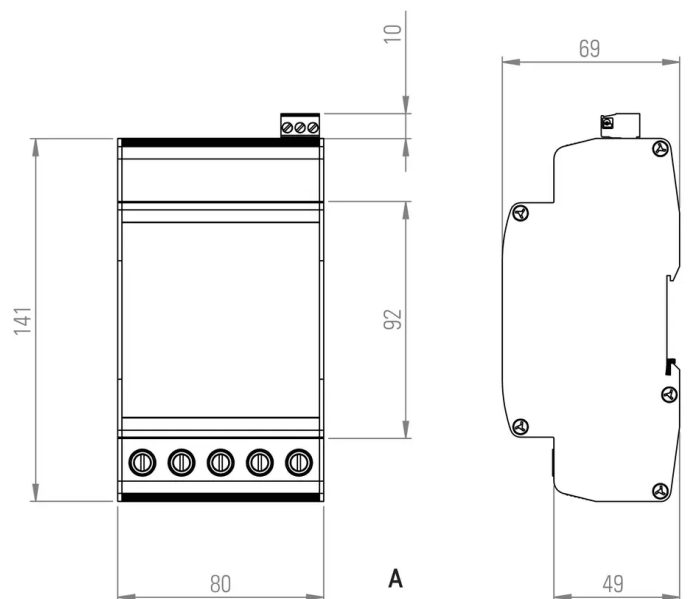
Safe Metal Enclosure

Surge protection is housed in safe, all metal enclosures. In the event of a prolonged overvoltage it will not catch fire or explode.

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	400VAC
Short circuit withstand level	I_{SCCR}	50kA
Maximum backup fuse		100A
Recommended SCB		SCB1-3-25
Earth leakage current	I_{PE}	<10μA

Electrical (L-L) Specifications

Maximum continuous voltage AC	U_c	480VAC
Maximum continuous voltage DC	U_c	670VDC

Electrical (L-PE) Specifications

Maximum discharge current (8/20 μs)	I_{max}	200kA
Nominal discharge current (8/20 μs)	I_n	80kA
Lightning impulse current (10/350 μs)	I_{imp}	25kA
Voltage protection level @ 1 kV/ μs	U_p	<800V
Voltage protection level (In)	U_p	<1500V
Response time	t_A	<25ns

Indication Specifications

Display		LED power and thermal failure
Alarm		SPDT power and thermal failure
Alarm isolation		4kV

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		16mm²
Terminal screw torque - power		2Nm
Terminal capacity - alarms		2.5mm²
Terminal screw torque - alarms		0.5Nm
Length		141mm
Width		80mm
Height		69mm

Standard Specifications

IEC 61643-11	SPD connected to low-voltage power systems - Type 1,
	2
AS 1768	Low voltage SPD - Type 1, 2

Shipping Specifications

Weight		960g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		IDE3-200-D480
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