SSP3-20-50-275-A



Series Surge Protectors

Novaris SSP protectors are suitable for installation in circuits up to 63A. The SSP range has been engineered to provide excellent performance in an economical package.

Compact Design

A compact design makes SSP protectors an ideal choice for space restricted applications.

All Mode Protection

Protection is provided for all combinations of lines (L-N, L-PE, N-PE) ensuring the maximum level of protection is achieved at all times.

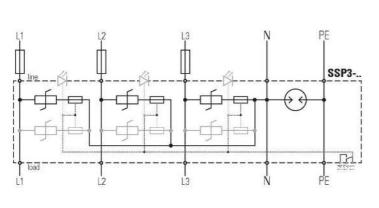
Safe Metal Enclosure

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

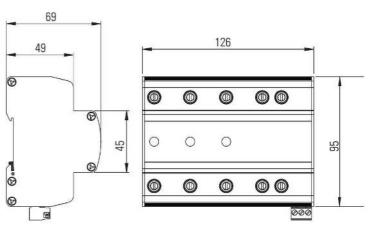
Installation Independent Performance

Series surge protectors house the shunt (parallel) connection of the protection components internally within the device. This reduces the connection impedance to a minimum to guarantee optimal performance in all installations.

Wiring



Dimensions



Standards

IEC 61643-11:2011 AS/NZS 1768:2007 UL 1449 3rd edition IEEE 62.41.2:2002 SPD connected to low-voltage power systems - Type 2 + 3 $\,$

A.C. power system SPD - Cat C, B, A Low voltage SPD - Type 2, Type 3 Low voltage SPD - Cat B, Cat C

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Product Datasheet

Electrical Specifications

Connection type	¥	Series
Modes of protection	h	L-N, L-PE, N-PE
Number of ports		2
Number of phases	≔	3
Location		Indoor
Nominal voltage	U _o	230VAC
Short circuit withstand level	ISSCR	25kA
Maximum backup fuse	=	20A
Earth leakage current	I _{PE}	<10µA

Electrical (L-N) Specifications

$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	Maximum voltage Drop (% of Uo)		0V
Maximum discharge current (8/20 μ s) I_{max} 50kA Nominal discharge current (8/20 μ s) I_n 20kA Voltage protection level (3kA 8/20 μ s) U_p <800V Voltage protection level (In) U_p <1700V Response time t_A <5ns	Maximum load current	I _L	20A
Nominal discharge current (8/20 μ s) I $_n$ 20kA Voltage protection level (3kA 8/20 μ s) U $_p$ <800V Voltage protection level (In) U $_p$ <1700V Response time t_A <5ns	Maximum continuous voltage AC	U _c	275VAC
Voltage protection level (3kA 8/20 μ s) U_p <800V Voltage protection level (In) U_p <1700V Response time t_A <5ns	Maximum discharge current (8/20 μs)	l _{max}	50kA
	Nominal discharge current (8/20 µs)	I _n	20kA
Response time t _A <5ns	Voltage protection level (3kA 8/20µs)	Up	<800V
TA SIIS	Voltage protection level (In)	Up	<1700V
$\mbox{Voltage with stand (5s)} \qquad \qquad \mbox{U}_{\mbox{\scriptsize T}} \qquad 335 \mbox{V}$	Response time	t _A	<5ns
	Voltage withstand (5s)	U _T	335V

Electrical (N-PE) Specifications

Maximum continuous voltage	\mathbf{U}_{c}	255VAC
Maximum discharge current (8/20 μs)	l _{max}	60kA
Nominal discharge current (8/20 µs)	I _n	50kA
Voltage protection level (1kV/µs)	U _p	<700V
Voltage protection level (In)	U _p	<1300V
Response time	t _A	<100ns
Voltage withstand (200ms)	U _T	1200V
Follow current interrupt rating	l _{fi}	100A

Indication Specifications

Display	\Box	LED power and thermal failure
Alarm	\Diamond	SPDT power and thermal failure
Alarm isolation	<u>Ş</u> 5	4kV

Mechanical Specifications

Minimum operating temperature	P	-40°C
Maximum operating temperature	1	70°C
Minimum operating humidity	%	5%
Maximum operating humidity	&	95%
Mounting method	Æ	TS35 DIN Rail
Environmental rating	<i></i>	IP20
Enclosure material	•	Aluminium
Enclosure finish	•	Black powdercoat
Terminal capacity - power	•	16mm²
Terminal screw torque - power	G	2Nm
Terminal capacity - alarms	•	2.5mm²
Terminal screw torque - alarms	G	0.5Nm
Length	~	95mm
Width		126mm
Height	1	69mm

Other Specifications

Product Code SSP3-20-50-275-A

Shipping Specifications

Weight	Â	690g
Customs tariff	*	85354010

