

NSP SERIES SURGE DIVERTERS

Novaris NSP series surge diverters offer surge protection in domestic and commercial applications. Available in 50kA, 100kA, 1P, 1P+N, 3P, 3P+N and suitable for small to medium switchboards and distribution boards.



- Provides a cost-effective solution for low-to-medium risk applications
- Suitable for the minimum capacity recommendations of AS/NZS 3000 and the requirements for surge protection to be fitted between L-N in a MEN switchboard and between L-N and N-E in non-MEN switchboards
- Available with maximum discharge currents of 50 and 100 kA and 1P, 1P+N, 3P and 3P+N configurations
- Rated for maximum discharge current (I_{max}), nominal impulse current (I_n) and maximum impulse current (I_{imp}) as per AS 1768 recommendations

A range of surge diverters is also available with additional features

- For large main switchboards, sub-boards and distribution boards
- For areas of high lightning risk
- Models with increased capacity for longer life
- Applications requiring segmented redundancy
- Models with percentage active displays

TECHNICAL SPECIFICATIONS

	NSP3-100-275	NSP1-100-275	NSP3-50-275-N	NSP3-50-275	NSP1-50-275-N	NSP1-50-275
						
Configuration	3P	1P	3P+N	3P	1P+N	1P
Maximum Continuous Voltage	275 VAC	275 VAC	275 VAC	275 VAC	275 VAC	275 VAC
Maximum Discharge Current (8/20 μ s) I_{max}	100 kA	100 kA	50 kA	50 kA	50 kA	50 kA
Nominal Discharge Current (8/20 μ s) I_n	40 kA	40 kA	20 kA	20 kA	20 kA	20 kA
Impulse current L-N (10/350 μ s) I_{imp}	10 kA	10 kA	7.5 kA	7.5 kA	7.5 kA	7.5 kA
Impulse current N-E (10/350 μ s) I_{imp}	-	-	12.5 kA	-	12.5 kA	-
Voltage Protection Level L-N (U_p)	< 1600 V	< 1600 V	< 1200 V	< 1200 V	< 1200 V	< 1200 V
Response time L-N (t)	<25 ns	<25 ns	<25 ns	<25 ns	<25 ns	<25 ns
Short circuit withstand	50 kA	50 kA	25 kA	25 kA	25 kA	25 kA
Maximum Backup Fuse	63 A	63 A	32 A	32 A	32 A	32 A
Recommended SCB	SCB1-3-80	SCB1-3-80	SCB1-3-80	SCB1-3-80	SCB1-3-80	SCB1-3-80
Operating Temperature	-40 ... +80°C	-40 ... +80°C	-40 ... +80°C	-40 ... +80°C	-40 ... +80°C	-40 ... +80°C
Terminal Capacity -Power	35mm ²	35mm ²	35mm ²	35mm ²	35mm ²	35mm ²
Terminal Capacity -Alarm	1.5mm ²	1.5mm ²	1.5mm ²	1.5mm ²	1.5mm ²	1.5mm ²
Standards	IEC 61643-11, AS 1768, AS 3000					

