

Primer		Epoxy	Epoxy	Epoxy	Epoxy	Epoxy	Epoxy
Finish		PUR RAL 7032	PUR RAL 7032	PUR RAL 7032	PUR RAL 7032	PUR RAL 7032	PUR RAL 7032
Connection		YN	YN	YN	I	I	I
Bushing quantity		3	3	3	1	1	1
Bushing type		Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Insulation		Fluid	Fluid	Fluid	Fluid	Fluid	Fluid
Fluid type		Jarylec C101D	Jarylec C101D	Jarylec C101D	Jarylec C101D	Jarylec C101D	Jarylec C101D
Fluid volume	litre	7	6	6	12	6,5	7,5
Weight	kg	19	22	22	22	22	22
Overall Dimensions (L x H x W)	mm	415 x 430 x 135	520x520x105	520x520x105	520x520x105	415x595x135	415x595x140

Standards

Explosion Protected Ex nA IIC T3A		Yes	Yes	Yes	No	No	No
Routine tests		IEC 60871-1: 2005	IEC 60871-1: 2005	IEC 60871-1: 2005	IEC 60871-1: 2005	IEC 60871-1: 2005	IEC 60871-1: 2005
Temperature category	°C	-25/D (-25/+80)	-25/D (-25/+80)	-25/D (-25/+80)	-25/D (-25/+80)	-25/D (-25/+80)	-25/D (-25/+80)
Quality Management System		ISO 9001:2008		ISO 14001:2004			
Certification Body		Bureau VERITAS					
In compliance with		IEC 60871-1: 2005; VDE 0560 part 410; ANSI/IEEE 18; NEMA CP-1					
Marks		CE IA	CE IA	CE IA	CE	CE	CE

Options

Safety switch		Yes	Yes	Yes	Yes	Yes	Yes
Partial discharge sensor		No	No	No	No	No	No

Shipping

Anti-static link		Yes	Yes	Yes	Yes	Yes	Yes
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"By Choosing to do business with Northern Technologies SA you gain access to more than 70 years of combined experience in the lightning / surge suppression industry"

PROTEC Z +

Combined transient switching surge suppressor with PD sensors for PD monitoring and rotating machine management



The PROTEC Z + is an extremely effective sensor for on-line monitoring of the condition of the winding insulation of the protected motor, generator or dry type transformer utilizing partial discharge analysis. It is more effective than coupling capacitors used for this purpose because of the wider frequency response afforded by the PROTEC Z +. This permits seeing deeper into the windings and provides significantly improved coverage, which has always been a weakness of conventional coupling capacitor sensors.

Features

- Robust, high grade stainless steel enclosure.
- Enhanced THD (V) withstand.
- Designed for multi-ranging applications.
- Permits integrity test of functional components.
- Safety switch on all products as a standard.
- Option for integrated partial discharge sensor.
- Recognised quality system certification

Benefits

The Protec Z offers complete protection to the insulation systems of motors, generators and dry type transformers against long and short term damage from over voltage spikes caused by contactors and breakers. In particular, insulation between turns and coils close to the line terminals are not exposed to excessive voltages resulting from non-uniform voltage distribution caused by steep fronted transients.

The Protec Z provides insulation coordination at all practical surge magnitudes and rise times. Multiple pre- and re-strikes in the switchgear are eliminated, resulting in significant life extension of machines.

In addition, the Protec Z + PD option permits measurement and monitoring of partial discharge activity.

Installation

The Protec Z must be installed in accordance with the latest NTSA Protec Z application and installation manual.

Warranty

The Protec Z surge suppressors are backed by a twelve month factory warranty.

NOTE

NTSA reserves the right to apply continuous research and development which may result in improvements affecting any aspect of specification or appearance at any time.

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