

2716 Sheath Grounding Unit



The 2716 Sheath Grounding Unit (SGU) is a field installed unit designed to provide maximum protection against 60 Hz induced power line currents and high voltage transient surges on cable armors. The unit is an environmentally sealed combination maximum duty failsafe arrestor and a 60 Hz series pass Induced Voltage Filter (IVF).

Features

- Provides low impedance ground path for high transient voltages
- Provides low impedance ground path for 60 Hz induced voltages
- Designed for above or below grade use
- Rated at 1 amp continuous AC current
- Failsafe circuitry design
- Hybrid surge suppression circuitry
- UV resistant packaging

Specifications

ITEM	QUANTITY/SPECIFICATION	NOTES
Inputs		
Capacitance	< 30 pF	Line to ground
Protection		
DC Breakdown Voltage	300 - 500 VDC	
Impulse Breakdown	500v (Typical) at 100 v/μsec 750v (Max) at 100 v/μsec	
Impulse Current Rating	40,000 A	8x20μs impulsive, single cycle
AC Current Rating (Momentary)	10 A	60Hz AC, 1s application
AC Voltage Rating (Continuous)	175 VAC	60Hz AC Continuous
Induced Voltage Filtering		
Voltage Reduction Ration (typical)	7:1	VI/Vf
(Zsource = 200Ω, IF = 1 amp)		
Maximum Voltage (Continuous)	20 V	AC RMS
(5 min)	250 V	AC RMS
Clamping Voltage (typical)	15 V	AC RMS
Impedance (nominal)	30 Ω @ 60 Hz (I = 1 amp) 1200 Ω @ 30 Hz 7000 Ω @ 512 Hz	
Connections		
Machine Screw Terminals	10-32	
Physical		
Dimensions	7.25" x 3.5" x 3.5" (18.4 cm x 8.9 cm x 8.9 cm)	
Weight	9 lbs (4.1 kg)	
Model Number(s)	2716 SGU	Sheath Grounding Unit #6 leads

PROVIDES LOW IMPEDANCE GROUND PATH FOR HIGH TRANSIENT VOLTAGES

PROVIDES LOW IMPEDANCE GROUND PATH FOR 60 HZ INDUCED VOLTAGES

DESIGNED FOR ABOVE OR BELOW GRADE USE

RATED AT 1 AMP CONTINUOUS AC CURRENT

FAILSAFE CIRCUITRY DESIGN

HYBRID SURGE SUPPRESSION CIRCUITRY

UV RESISTANT PACKAGING

For more information on any of our products or services, please visit us on the web at: www.norscan.com

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

