

2745 Sheath Grounding Unit 2745 Wire Grounding Unit



Featuring an encapsulated module containing a gas tube surge arrester, the 2745 SGU/WGU is engineered to protect your equipment from hazardous lightning and induced surges. The 2745 Sheath Grounding Unit (SGU) is a two line device designed to access two cable armors, while the 2745 Wire Grounding Unit (WGU) is a two line device designed to access two cable locate wire leads.

For adequate protection, it is recommended to install this device at every splice location or at a minimum at every third splice location.

Features

- Easy access to cable armor or locate wire to facilitate cable locating and/or conductor testing
- Straightforward and reliable resealing
- Provides low impedance ground path for high transient voltages
- Automatically resets
- Maximum duty failsafe
- Environmentally sealed for use in demanding below or above grade conditions

EASY ACCESS TO CABLE
ARMOR OR LOCATE WIRE
TO FACILITATE CABLE
LOCATING AND/OR
CONDUCTOR TESTING

STRAIGHTFORWARD AND
RELIABLE RESEALING

PROVIDES LOW
IMPEDANCE GROUND
PATH FOR HIGH
TRANSIENT VOLTAGES

AUTOMATICALLY RESETS

MAXIMUM DUTY
FAILSAFE

ENVIRONMENTALLY
SEALED FOR USE IN
DEMANDING BELOW OR
ABOVE GRADE
CONDITIONS

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

10 TERRACON PLACE
WINNIPEG, MB R2J4G7
P: 204.233.9138
F: 204.233.9188
SALES@NORSCAN.COM
WWW.NORSCAN.COM

Specifications

ITEM	QUANTITY/SPECIFICATION	NOTES
Inputs		
Capacitance	< 30 pF	Line to ground
Protection		
Surge Element	Three-electrode maximum duty	
DC Breakdown Voltage	300 – 500 VDC	
Impulse Breakdown	500V (Max) at 100 V/μsec	
	750V (Max)	
Impulse Current Rating	40,000 A	8x20 μs impulse, single cycle
Life	1,000 A, 1,000 surges minimum polarity	
	500 A on each side to ground simultaneously	
Fail Safe	Integral fail-short device	
Insulation Resistance	1,000 megohms minimum @ 100VDC	
AC Current Rating (Momentary)	10 A	60Hz AC, 1s application
AC Voltage Rating (Continuous)	175 VAC	60Hz AC continuous
Connections		
Machine Screw Terminals	10-32	
Physical		
Dimensions	7" x 4" x 3.5" (17.8 cm x 10.2 cm x 8.9 cm)	
Weight	SGU 8.5 lbs (3.9 kg)	WGU 4.5 lbs (2.0 kg)
Environmental		
Operating Temperature Range	-20°C to +85°C -4°F to +185°F	
Model Number(s)	2745-6 SGU	Sheath Grounding Unit #6 solid copper, 20 ft. leads
	2745-6 WGU	Wire Grounding Unit #6 solid copper, 20 ft. ground lead only

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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