

Features

- Protects up to eight lines
- Fast and easy installation
- High surge-energy handling
- Long service life

Applications

- Power Over Ethernet (POE)
- Wireless access points
- IP telephony & cameras
- High-speed applications
- Midspan PSE

7205 Series Standard-Size Surge Protection Assembly

Bourns® standard-size Model 7205 is a high quality surge protection device that is designed to prevent damage to equipment and personnel from electrical transients up to rated limits. It incorporates Bourns® Gas Discharge Tube (GDT) surge protection for high surge-energy handling with Insulation Displacement Connectors (IDCs) which simplify installation. Unstripped copper 22-26 AWG wire is inserted and the connector is closed – no tools required. The board-mounted components are enclosed in a UL Listed, weather-resistant enclosure. A #10 stud is provided for connection to ground. The cover may be embossed with an optional custom logo.

Characteristics

Test Methods per ITU-T (CCITT) K.12, IEEE C62.31, RUS PE80, Telcordia GR-1361.

DC Sparkover $\pm 20\%$	100 V/s	150 V
Impulse Sparkover.....	100 V/ μ s	350 V
	1000 V/ μ s	575 V
Impulse Transverse Delay	1000 V/ μ s	< 75 ns
Insulation Resistance	100 V	> $10^{10} \Omega$
Glow Voltage	10 mA	~ 70 V
Arc Voltage	1 A	~ 10 V
Glow-Arc Transition Current		< 0.5 A
Capacitance.....	1 MHz	< 2 pF
DC Holdover Voltage ¹	> 80 V	< 150 ms
Impulse Discharge Current.....	20000 A, 8/20 μ s	> 10 operations
	1000 A, 10/1000 μ s	> 400 operations
Alternating Discharge Current	130 Arms, 11 cycles ²	1 operation min.
	20 Arms, 1 s	> 10 operations
Operating and Storage Temperature		-40 to +85° C

Notes:

- Model number marking on part: 26-xxx V.
- The rated discharge current is the total current equally divided between each line to ground.
- Sparkover limits after life $\pm 25\%$, IR $> 10^8 \Omega$.
- GDT is a UL Recognized component, file E153537.

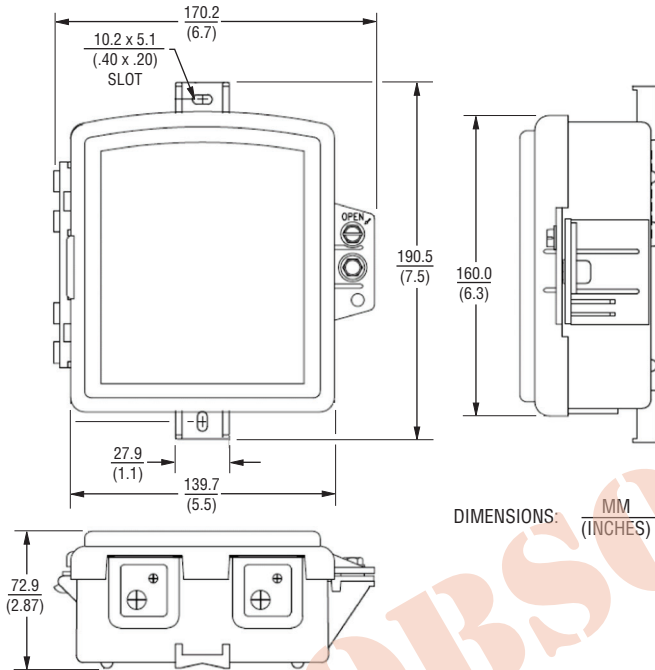
¹ Network applied.

² DC sparkover may exceed $\pm 25\%$ after discharge, but will continue to protect without venting.

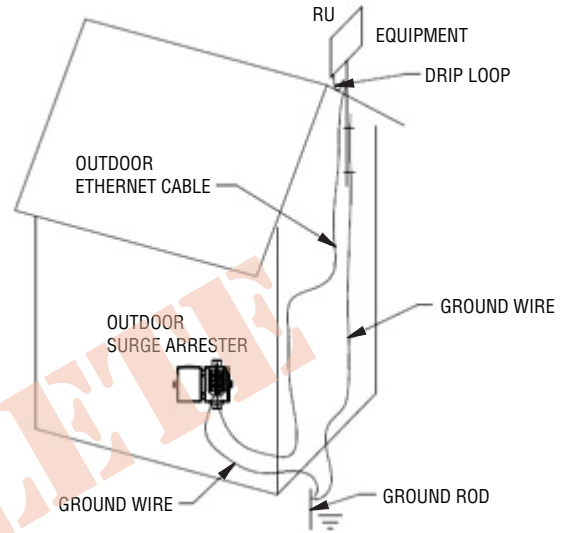
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BOURNS®

Product Dimensions

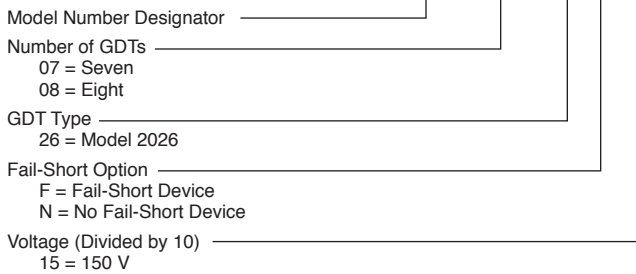


Installation Diagram



How to Order

7205 - 0X - 26 X 15



REV. B 04/18

Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.