

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 ±20%	100 V/s	150 V
Impulse Sparkover	100 V/μs	350 V
	1000 V/μs	575 V
Impulse Transverse Delay.....	1000 V/μs	< 75 ns
Insulation Resistance	100 V	> 10 ¹⁰ Ω
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 μs.....	> 10 operations
	1000 A, 10/1000 μs.....	> 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 ±25 %, IR >10⁸ Ω.
- GDT is a UL Recognized component, file E153537.

¹ Network applied.

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



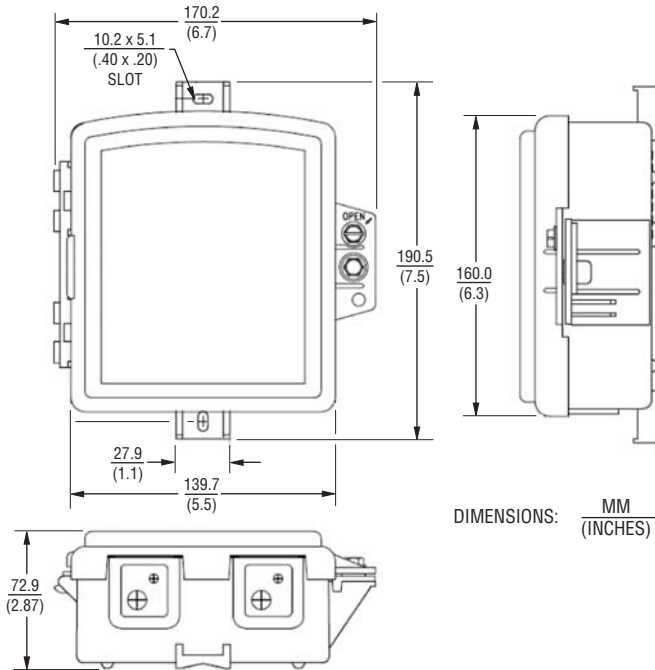
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*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

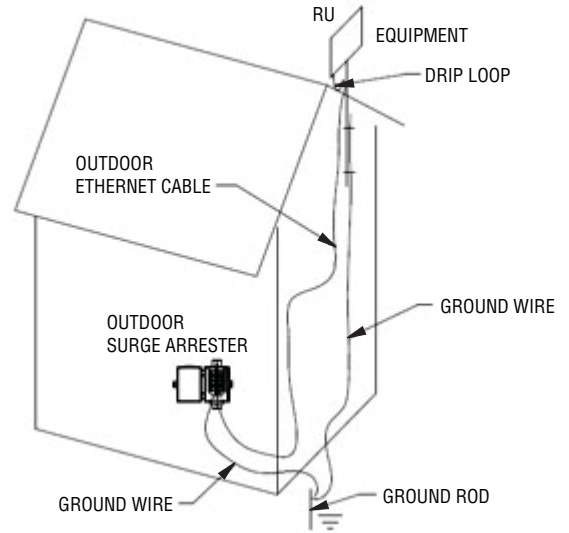
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Product Dimensions

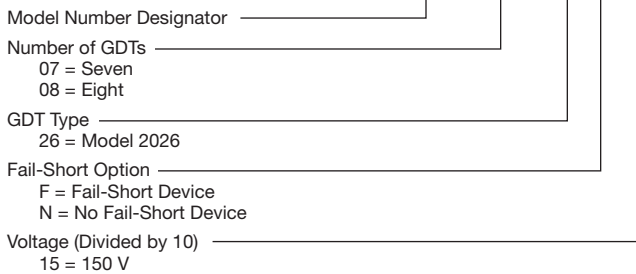


Installation Diagram



How to Order

7205 - 0X - 26 X 15



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