



Features

- Patent #6,327,129
- Fully integrated protection
- Fits 2003 / 2006 style NIDs
- Surpasses industry standards
- Multi-Stage Protection (MSP®)
- High energy handling
- Quick response

2360 Series - Integrated Protection Assembly

Bourns® IPA Modules are part of a fully integrated and comprehensive solution to simplify deployment of high-speed broadband services. The Integrated Protection Assembly combines a Multi-Stage Protector (MSP®), Telco Network Termination points and a Sealed Subscriber Test Jack into a single, easy-to-install module. An optional Balanced Capacitance version is available for deployment on balance-sensitive DSL systems, such as VDSL. The IPA units are designed for installation in 2006 style NID (Network Interface Device) enclosures.

Bourns® 2360 can be used universally for POTS and high speed data, e.g. ISDN, ADSL, ADSL2+, VDSL, VDSL2, other xDSL protocols and high speed Ethernet. Bourns® MSP® technology provides unparalleled overvoltage protection with low loss on paired copper communications circuits.

Characteristics

Test Methods per IEEE C62.31, Telcordia GR-1361, RUS (REA) PE-80 and applicable sections of Telcordia GR-974. UL Listed.

DC Breakdown	300-400 V
AC Breakdown @ 60 Hz	300-400 V
Impulse Breakdown	
100 V/μs	600 V
1000 V/μs	650 V
Insulation Resistance @ 100 Vdc	>1 GΩ
Insertion Loss @ 100 MHz	<0.4 dB (Category 5)
Return Loss @ 100 MHz	>14 dB (Category 5)
Capacitance Line to Line @ 1MHz	20 pF typical
Capacitance Line to Ground @ 1 MHz	30 pF typical
Capacitive Balance (BC Models Only)	
Difference between T-G and R-G capacitance	≤1 pF
Impulse Reset	
52 V, 260 mA	<10 ms ³
135 V, 200 mA	<10 ms ³
150 V, 200 mA	<150 ms
Impulse Life Characteristics (Per Side, Simultaneously)	
100 A, 10/1000 μs	>3000 operations ²
300 A, 10,1000 μs	>1000 operations ²
500 A, 10,1000 μs	>1000 operations ⁴
2,000 A, 10/250 μs	>100 operations ²
5,000 A, 20/100 μs	>10 operations ²
20,000 A, 8/20 μs	>10 operations ⁴
AC Life Characteristics	
0.5 rms Continuous	>30 seconds
1 A rms, 1 Second, 600 Ft. Cable	>60 operations
1 A rms, 1 Second, 1 Mile Cable	>60 operations
10 A rms, 1 Second	>20 operations
200 A rms, 11 Cycles	>1 operation ⁵
120 A rms, 0.1 Second	>1 operation
Life Test Criteria	
Insulation Resistance Throughout the Life Test	100 MΩ
Life Test Failures	0.0 %
Failures During Environmental Cycling w/Surges	0.0 %
Failshort (Vented or Non-vented Gas Tube)	>30 A rms, simultaneously
Operating Temperature	-55 to +85 °C

Notes:

- ¹ Network Applied
 - ² Exceeds Telcordia (Bellcore) GR-1361
 - ³ Surpasses Telcordia GR-974
 - ⁴ RUS (REA) PE-80
 - ⁵ Protector may short to ground
- Line to Line voltage is approximately 1.8 to 2 times the stated Line to Ground breakdown voltage.

REV. E 04/08

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

2360 Series - Integrated Protection Assembly

BOURNS®

How To Order

2360 - 35 - X X

Model Number Designator _____

Protection Technology _____

- M = Multi-Stage Protection
- B = Balanced Capacitance MSP

Connection _____

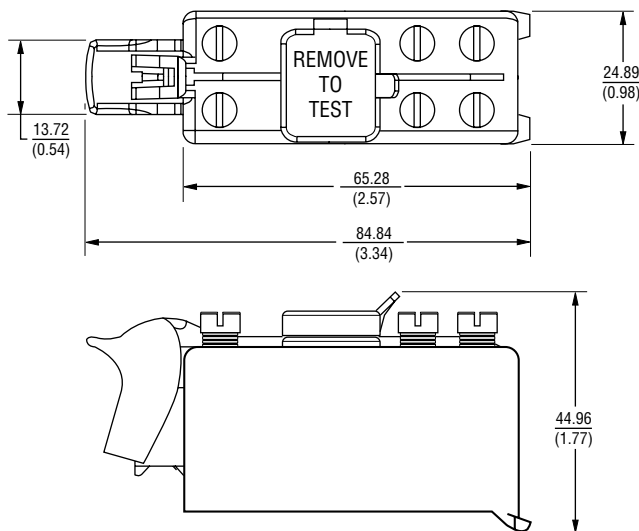
- P = Binding Post

Related IPA Products

IPA DSL POTS Splitter

Part Number 3612A2

Product Dimensions



DIMENSIONS: $\frac{\text{MILLIMETERS}}{\text{INCHES}}$



Asia-Pacific:

TEL +886- (0)2 25624117

FAX +886- (0)2 25624116

Europe:

TEL +41-41 7685555

FAX +41-41 7685510

The Americas:

TEL +1-951 781-5500

FAX +1-951 781-5700

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