

Features

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



The Model 2360 Series is not recommended for new designs. See [Product Obsolescence Memo](#) for further details.

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/ μ s	600 V
1000 V/ μ s	650 V
Insulation Resistance @ 100 Vdc	>1 G Ω
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	\leq 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 μ s	>3000 operations ²
300 A, 10,1000 μ s	>1000 operations ²
500 A, 10,1000 μ s	>1000 operations ⁴
2,000 A, 10/250 μ s	>100 operations ²
5,000 A, 20/100 μ s	>10 operations ²
20,000 A, 8/20 μ s	>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 M Ω
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.

2360 Series - Integrated Protection Assembly

BOURNS®

How to Order

Related IPS Products

Model Number Designator _____ **2360 - 35 - X X**

Protection Technology _____

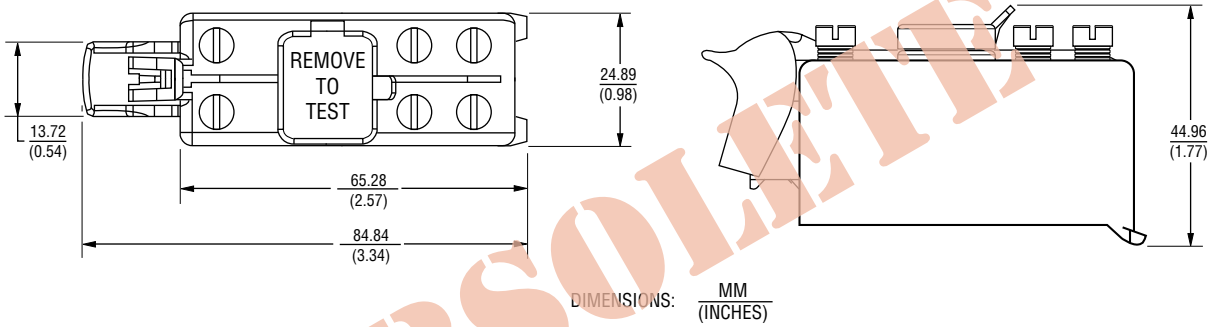
M = Multi-Stage Protection
B = Balanced Capacitance MSP

Connection _____

P = Binding Post

IPA DSL POTS Splitter
Part Number3612A2

Product Dimensions



REV. F 10/13

"MSP" is a registered trademark of Bourns, Inc.
Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.