



March 24, 2015

Signal Transformer's M4L International Power Isolation Transformer Series Now Certified to An Array of UL, CSA, VDE and IEC Safety Standards

Parts are Uniquely Qualified for Use in a Wide Range of Electro-Medical Devices, Consumer Appliances and Commercial Applications

INWOOD, N.Y.--(BUSINESS WIRE)-- [Signal Transformer](#), a division of [Bel Fuse Inc.](#), (NASDAQ: BELFA and BELFB) today announced that its high efficiency [M4L Series](#) of International Power Isolation Transformers has expanded its certification to numerous UL Safety Standards, including [UL 60601-1](#) (medical electrical equipment). The [12-part series](#) offers OEMs the ability to streamline access to global markets while cutting the cost and shortening the process of obtaining new product safety agency approvals.

Additionally, M4L transformers can be customized within a variety of configurations while maintaining all their UL Safety Agency approvals, usually at no additional cost.

Incorporating double reinforced insulation, the M4L Series is ideally suited for a diversity of safety-critical applications such as fire alarms and security systems, emergency lighting, deep mining exploration, hot tubs, spas and patient-connected medical devices. The series' construction utilizes low-loss silicon steel for higher efficiency and UL 94V0 flame rated polymers. In addition, their UL Class F rated insulation system permits operation in high ambient temperatures up to 80°C. Moreover, their non-concentric construction provides superior isolation, < 30 µA leakage current, and more than 12 mm of creepage distance between the primary and secondary windings. All M4L transformers are rated to 4 KV hipot, however they were successfully tested to 12 KV without breakdown.

The UL certification of the M4L Series includes safety standards UL 60601-1, UL 60950-1, UL 1097 and UL 2097. Certification to these standards assures the parts can be used in products and appliances covered by a variety of UL standards including 864, 913, 916, 924, 1012, and 1238.

Engineered to facilitate secure and rapid connectivity as well as to prevent accidental shock, the M4Ls incorporate Touch-Safe terminals (IP20) that provide a screw/binding clamp for hard wiring, together with 3/16" and 1/4" Fast-On connections. Their compact size and vertical-mount configuration accommodates space-restricted enclosures, optimizes installation flexibility and allows easy access for terminating.

Parts are offered with power ratings of 300 VA, 450 VA, 600 VA or 1000 VA and input voltage's range from 100 V to 480 V to further promote design flexibility. The M4L transformers are supplied in four sizes, ranging from 4.20" (106.68 mm) L x 4.08" (103.51 mm) W x 3.75" (95.30 mm) H, to 4.89" (124.20 mm) L x 5.70" (144.78 mm) W x 5.25" (133.40 mm) H, and range in weight from 7.0 lbs (3.18 kg) to 22.0 lbs (10.0 kg).

In 50 unit quantities, M4L Series transformers range in price from \$67.25 to \$146.55 each. Delivery is from stock to 6 weeks.

About Bel

Bel (www.belfuse.com) designs, manufactures and markets a broad array of products that power, protect and connect electronic circuits. These products are primarily used in the networking, telecommunications, computing, military, aerospace, transportation and broadcasting industries. Bel's product groups include Magnetic Solutions (integrated connector modules, power transformers, power inductors and discrete components), Power Solutions and Protection (front-end, board-mount and industrial power products, module products and circuit protection), and Connectivity Solutions (expanded beam fiber optic, copper-based, RF and RJ connectors and cable assemblies). The Company operates facilities around the world.

Forward Looking Statements

Except for historical information contained in this press release, the matters discussed in this press release are forward-looking statements that involve risks and uncertainties. Among the factors that could cause actual results to differ materially from such statements are: the market concerns facing our customers; the continuing viability of sectors that rely on our products; the effects of business and economic conditions; difficulties associated with integrating recently acquired companies; capacity and supply constraints or difficulties; product development, commercializing or technological difficulties; the regulatory and trade

environment; risks associated with foreign currencies; uncertainties associated with legal proceedings; the market's acceptance of the Company's new products and competitive responses to those new products; and the risk factors detailed from time to time in the Company's SEC reports. In light of the risks and uncertainties, there can be no assurance that any forward-looking statement will in fact prove to be correct. We undertake no obligation to update or revise any forward looking statements.

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Source: Bel Fuse Inc.

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