



## LOVATO Electric's Electromechanical Contactors Achieve UL A2L Certification for Refrigerant Applications



### *Contactor A2L*

LOVATO Electric announces its electromechanical contactor portfolio, which spans the BG Series mini-contactors, BF Series contactors and DPBF Series Definite Purpose Contactors, is certified for use in refrigeration and air-conditioning equipment employing A2L mildly flammable refrigerants. This certification gives HVAC and refrigeration OEMs a complete, drop-in compliant switching solution as the industry transitions away from R-410A.

The certified product lines cover common loads found in compressor motor, fan motor and electric heating elements in residential, light commercial and commercial refrigeration applications:

- **BG Series Mini-Contactors (11BG09–12):** Three-pole mini-contactors rated 6A to 12A (up to 7.5HP at 480V UL/CSA), available with AC, DC and low-consumption DC coils.
- **BF Series (BF09–25):** Three- and four-pole contactors rated 9–25A (up to 15 HP at 480V UL/CSA)
- **BF Series (BF26–38):** Three- and four-pole contactors rated 26–38A (up to 30 HP at 480V UL/CSA), available with AC or DC coils.
- **BF Series (BF40–94):** Three- and four-pole contactors rated 40–94A (up to 60 HP at 480VUL/CSA), available with AC or AC/DC electronic coil options.
- **BF Series (BF95–150):** Three- and four-pole contactors rated 95–150A (up to 100 HP at 480V UL/CSA), available with AC or AC/DC electronic coil options.
- **DPBF Series (Definite Purpose rated):** Definite Purpose-rated versions of the BF Series contactors, designed for HVAC and refrigeration OEM applications requiring Definite Purpose ratings. Full load amp (FLA) ranges from 14 to 80A and locked rotor amp (LRA) ranges from 84 to 480A.

With R-410A equipment imports ended as of January 1, 2025, A2L certification now applies to every arc-producing component in refrigerant zones. Each time an electromechanical contactor opens or closes, it generates an arc at the contact gap — a potential ignition source where mildly flammable refrigerant could accumulate. A contactor without A2L certification is a non-compliant ignition risk regardless of its electrical rating. LOVATO Electric's contactors eliminate that risk.

Products carry UL LZGH2/8 certification under Certificate Number E93602, confirming compliance with UL 60335-2-40 and UL 60335-2-89 under UL and CSA standards. Specifying a LZGH2/8-certified electromechanical contactor enables UL to waive Annex FF leak simulation testing at the system level, reducing product development timelines by several weeks.

Learn more at: [www.lovatousa.com](http://www.lovatousa.com).

#### *About LOVATO Electric*

*For more than 100 years, LOVATO Electric has been designing and manufacturing low voltage electrical devices for industrial applications. Founded in 1922 in Bergamo (Italy), LOVATO Electric is a private company managed by the same family of entrepreneurs for 4 generations. The company started from the dawn of electrical engineering to today's mix of electronics, automation and software. The wide range of products is designed, industrialized, tested and built by LOVATO Electric according to the highest quality standards.*

*A team of designers and researchers develops innovative and reliable products using the most modern software tools available on the market and an internal test laboratory (accredited in accordance with EN ISO/IEC 17025) carries out tests according to national and international standards. The successes collected over time on national territory have allowed the company to open 15 branches abroad and a network of over 90 importers that today guarantee the availability of LOVATO Electric products over 100 countries in the world. The group currently has 700 employees worldwide.*

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