

Limitamp

MV ANSI motor control center



ABB is pleased to announce the release of an updated certification to its established Limitamp product portfolio. The certification process for compliance to UL347 6th edition has been completed.

Application

The need for compliance to the latest UL347 6th edition standard allows ABB to continue to apply UL labels to the equipment to meet customer requirements. This standard is applicable to MV contactors and contactor-based controllers and control centers, designed for operation at 50 or 60 Hz.

Target markets

The Limitamp UL347 6th edition compliance fulfills the requirements and meets the current demands of the served target markets including:

- Mining
- Power plants
- Steel mills
- Petrochemical and marine applications
- Transportation
- General industry

Product highlights

- Safe and reliable
- Fully compliant to UL 347 6th edition for motor control centers
- Meets the IEEE C37.20.3 for metal-enclosed switchgear construction
- Type 2B arc-resistant accessibility as per IEEE C37.20.7
- One and two-high construction
- Easy-access, isolated LV compartment

Easy to use and maintain

- Modular, flexible enclosure construction
- Front access to the coil and tip wear checks
- Visible blade Quick-Make/Quick-Break non-load break disconnect switch
- Easy access to all parts inside the cubicle

Optimal flexibility

- Full range of motor control options
- Draw-out and stationary contactors available
- Back-to-back configurations possible
- Multiple widths available

Product characteristics

- Construction: Metal-enclosed
- Arc-resistant accessibility: Type 2B@0.5s
- Rated voltage: 5 and 7.2 kV
- BIL insulation levels: 60 kV BIL
- Rated frequency: 50 and 60 Hz
- Rated main bus current: 1200 A, 2000 A, 3000 A
- Rated interrupting capacity: 50 kAIC sym (2 sec)
- Test certifications: C37.20.3 and C37.20.7

Product options

- Potential Transformers
- Infrared windows for temperature monitoring
- Arc-flash protection relay (REA)
- Thermal sensors
- Ground CTs
- Surge arresters
- Ground studs

Product documentation

Name	Doc #	Internal	External
Limitamp Release Note	1VAL107201-RN	Yes	No
Limitamp Medium Voltage Motor Control (MCC), 2400-7200 Volts, Application and Selection Guide	GET-6840C	Yes	Yes
Limitamp AR, Arc Resistant Medium Voltage Motor Control (MV MCC), Application Guide	DET-745B	Yes	Yes
CR193 Vacuum Limitamp* Contactors	GEH-5306		
CR194 Vacuum Limit Amp Control	GEH-5305A	Yes	Yes
GE CR194 Vacuum Limit Amp 800A	GEH-5396B	Yes	Yes
Two High Vacuum Limitamp	GEH-6263	Yes	Yes
Limitamp AR Installation Guide	DEH-6790B	Yes	Yes
Customer Product Presentation	N/A	Yes	Yes
Internal Product Presentation	N/A	Yes	No
Limitamp Medium Voltage Controllers Guideform Specification	16346000	Yes	Yes

Product positioning

The Limitamp UL347 6th edition certification is marketed to the entire global market where ANSI/IEEE standards are prevalent and/or required.

Production site

Mebane, North Carolina, US

Sales configurator

Limitamp is part of the Empower configurator.

Availability and delivery time

Quotations available now with competitive lead times.

Contact People

- ABB sales agent or representative
- ABB regional sales managers
- ABB switchgear marketing in Lake Mary
- Craig Wicker, Global Product Marketing Manager
- Lee Woollen, Global Product Manager
- Rebecca Stamps, Product Marketing Manager