Frame Information

AM1P Series

Increased performance and compact packaging make the AM1P perfect for demanding dc applications. The AM1P delivers maximum performance in the smallest package size available in the industry.

With a 250 ampere current rating and 50,000 ampere interrupting capacity at 80 Vdc, the AM1P is ideal for telecommunications sites with space constraints or high current applications.

Using a parallel wiring configuration, the AM1P delivers 200 amperes in a 2-pole design and 250 amperes in a 3-pole design. In addition, the AM1P employs a proprietary technology known as PCE or Precision Current Equalization. This technology ensures that current flows evenly through all poles and nuisance tripping is eliminated.

The AM1P Series is UL 489A listed.

Features

- Maximum current rating up to 250 amperes.
- Plug-in, screw and stud terminals.
- Operating temperature -40°C to +85°C.
- Shock-tested for shock in accordance with MIL-STD-202, Method 213, Test Condition I.
- Vibration-tested in accordance with MIL-STD-202, Method 204, while carrying full-rated current.
- Minimum life of 10,000 on/off operations, with 6,000 at rated current and voltage, and 4,000 at no load.
- Dielectric strength tested in accordance with MIL-STD-202, Method 1500 volts at 50/60 Hz, 1100 Vdc (or twice rating plus 1000 volts).
- Insulation resistance of 100 Megaohms minimum at 500 Vdc, per MIL-STD-202, Method 302.
- Flammability specifications of UL 94-VO Case, UL 94-HB Handle.

AM1P CATALOG NUMBERING SYSTEM

AM1P B9 LC 07 DDU 07 200 1

Breaker Family

AM1P

Handle Location/Color ①

LC = Multi-Pole Breakers

Internal Circuit Type and Inrush Catalog Code

8X	18X	25X	Internal Circuit
B2	**B9**	**B39**	Series Trip w/Auxiliary
B3	**B8**	**B38**	Series Trip
B5	**B22**	**B32**	Shunt-Tap
B15	**B25**	—	DuCon
B16	**B26**	—	DuCon Series+Relay
B98	—	—	Mid-Trip
B99	—	—	Mid-Trip w/Alarm Switch

Terminals/Mounting Catalog Code

Imperial	Metric	Terminals
97	**14**	1/4-20 Threads (100 A)
98	**16**	M6 Threads (100 A)
21	**20**	Plug-in 7.77 x 16.6
23	**22**	Plug-in 6.25 x 21.6
25	**24**	Plug-in 6.25 x 15.4
46	**42**	M6 Screw
47	**43**	1/4-20 Screw

Approval Code

DGU = UL 489A (65 Vdc – 50 kA)
DAU = UL 489A (80 Vdc – 10 kA)
DNU = None

Auxiliary Switch Options

07 = NO-NC 4.8 Fast-on
52 = NO-NO 2.8 Fast-on
53 = NO-NC 2.8 Fast-on

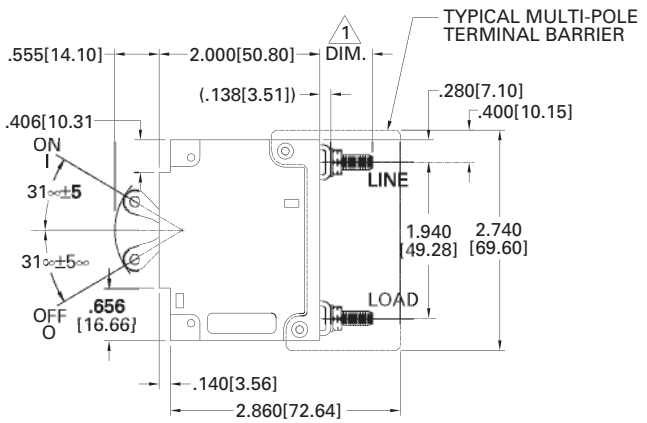
Current Rating ②

Curve ③

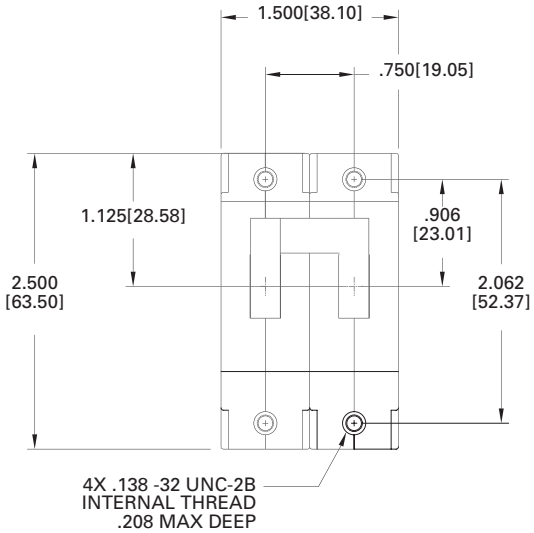
P = Instant
1 = Long Delay 8X Inrush
2 = Medium Delay 8X Inrush
3 = Short Delay 8X Inrush
4 = Long Delay 15X Inrush
5 = Medium Delay 15X Inrush
6 = Short Delay 15X Inrush
7 = Long Delay 22X Inrush
8 = Medium Delay 22X Inrush
9 = Short Delay 22X Inrush

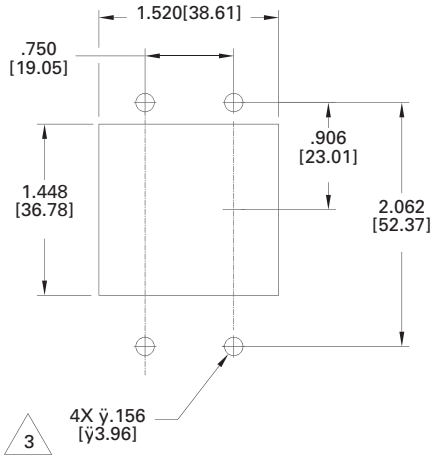
① Specify LC for multi-pole breakers with common trip handle as standard.
② Enter the three digit current rating from 101 – 250 amperes. 101 – 200 amperes is configured as 2-poles in parallel, 201 – 250 as 3-poles in parallel.
③ Specific data on trip curves can be found on the Web at **www.EatonElectrical.com/heinemann**.

TYPICAL DIMENSIONS



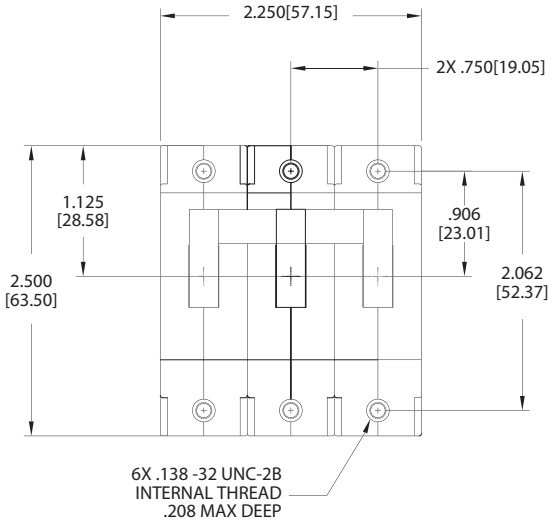
STANDARD HANDLE CONFIGURATION

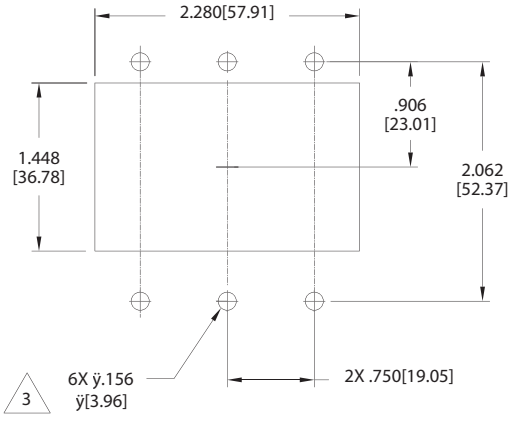




PANEL CUTOUT

2-Pole Configuration (101 – 200 A)





PANEL CUTOUT

3-Pole Configuration (201 – 250 A)