

Weidmüller HB-Series Miniature Circuit Breakers

A Breaker Like No Other:

Compact AC/DC UL 489 Circuit Breaker in 13mm Housing

HB-Series Circuit Protection Features

The new universal-voltage HB-SERIES Circuit Breaker from Weidmüller is the latest addition to our Hydraulic Magnetic Circuit Breakers lineup. It features modularity, ease of use, and space-saving well beyond that of conventional circuit breakers. The operational universal-voltage ranges from 240VAC/80VDC for 1&3 Pole, and 120/240VAC/80VDC for 2 Pole variants, of which are available in 0.5-32 Amps in instantaneous, short, medium and long delay curves.

*Note: 1 & 2 pole up to 80VDC.

Finger Safe Terminals

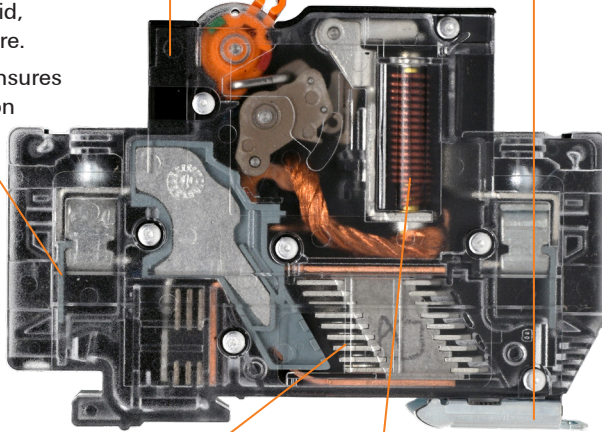
- Touch safe with ring lug terminals

Spring Loaded Metal Din Rail Locking Clip

- For superior shock and vibration resistance and hold on all types of TS35 Din rail.

Rising Conductor Cage Clamp

- Excellent retention of ferruled, solid, or stranded wire.
- Cable guard ensures safe connection



Multi-stage Arc Extinguishing Chamber

- Compact and well-proportioned blowout arc grid plates work to draw out, split, reduce, and extinguish arcs caused when opening a circuit.

Advance Hydraulic Electromagnetic Tripping Mechanism

- Hydraulic oil viscosity creates time lags longer or shorter at cold or hot temperatures
- No thermal element, therefore resettable immediately after close
- No derating necessary, 100% rated breaker
- High Shock and Vibration endurance, 10G and 5G respectively.

Approvals



Visual Operational Indicator

- Green/Off – indicates physical contacts are open allowing work on downstream circuit to be carried out safely.
- Red/ON – “Circuit is Live” Conforms to IEC/EN 60947-2 for industrial isolation.

Black V-0 Flame Retardant Casing

- RoHS approved
- Burning stops within 10 seconds, limits drops of plastic to not be inflamed.



Immediate Reset Toggle Switch

- No thermal elements, No heat build-up, Thus no “cooling off” period is required after a fault.

Maximum Operation

- Working environment: -40 ± 85 °Celsius
- Altitude: ≤ 2000m

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