

# Hydraulic-Magnetic Circuit Breakers



We offer a complete range of Hydraulic-Magnetic Circuit Breakers. With an extensive range of options and accessories, they offer a reliable and cost effective solution to almost any design challenge.

- Comprehensive range of sizes and ratings from 0.02 to 700 amps and up to 6 poles
- Temperature insensitive, wide operating temperature range with no need for ambient temperature de-rating and virtually eliminates heat-induced nuisance tripping
- Wide range of trip characteristics from instantaneous to ultra-long
- Low internal impedance with minimal power loss
- Large variety of actuators including illuminated, bi-colour, metal toggle and guarded options
- Mounting options include snap-in, panel mount and DIN-Rail
- Various terminal options available.
- Dual coil, remotely operated, auxiliary, alarm and special circuit options available
- High DC voltage models available – ideal for use with solar arrays
- Military grade “COTS” parts available to MIL-PRF-55629/MIL STD 202UL
- Available with UL, CSA, VDE & TUV certifications

## Hydraulic-Magnetic Breakers



	A-Series	B-Series	C-Series
Approvals	UL, CSA, VDE, TUV, UL1500, UL489A	UL, CSA, VDE, TUV, UL1500, UL489, UL489A	UL, CSA, VDE, TUV, UL1500, UL489A
Poles	1 - 6	1 - 6	1 - 6
Current Range	0.02 - 50A	0.02 - 50A	0.02 - 100A
Max. Voltage	277 Vac / 80 Vdc	277 Vac / 80 Vdc	277 Vac / 480Y Vac / 125 Vdc
Actuators	Handle / Rocker / Paddle	Handle / Rocker	Handle / Rocker
Typical Applications	General Purpose, Marine, Renewable Energy, Telecoms, Generators, Welders, Military	Power Supplies, Medical, Generators, Office / Industrial Equipment, Marine, Military	High Currents & Voltages, Remote Operation Options



	CX-Series	D-Series	E-Series
Approvals	UL489, UL489B, UL1077	UL, CSA, VDE	UL, CSA, VDE, UL1500, UL489
Poles	1 - 2	1 - 4	1 - 6
Current Range	50 - 175A	0.02 - 50A	0.002 - 100A
Max. Voltage	600 Vdc	277 Vac / 480Y Vac / 65 Vdc	600 Vac / 125 Vdc
Actuators	Handle	Handle	Handle
Typical Applications	High DC Currents & Voltages, Photovoltaic Systems, IT Distribution	DIN-Rail Mounting, General Purpose	Generators, High Current / Voltage, Industrial Control, Military



	F-Series	G-Series	H-Series
Approvals	cUL, TUV, UL489, UL489A	UL1077, cUL	UL, CSA, UL489A
Poles	1 - 3	1 - 4	1 - 3
Current Range	50 - 700A	0.02 - 100A	1 - 32A
Max. Voltage	277 Vac / 125 Vdc	240 Vac / 480Y Vac / 80 Vdc	240 Vac / 80 Vdc
Actuators	Handle	Handle	Handle / Rocker
Typical Applications	Extreme Temperature, High Current, Battery Disconnect, Solar Power, Military	DIN-Rail Mounting, General Purpose, Built-In Auxiliary Contact Available	Lower Cost, Compact, Meets IEC Spacing Requirements



	L-Series	M-Series	MS-Series
Approvals	UL489, cUL, TUV	UL, CSA, TUV, UL489A	UL, cUL, MIL-PRF-39019F / 55629, MIL STD 202
Poles	1 - 3	1 - 2	1 - 2
Current Range	1 - 30A	0.02 - 30A	0.2 - 30A
Max. Voltage	240 Vac	250 Vac / 80 Vdc	50 Vdc
Actuators	Rocker	Rocker / Paddle / Pull-Push	Sealed Toggle
Typical Applications	Ultra Low Profile, Data / Telecoms, Power Distribution	Communications, Vehicles, Marine, Generators & Power, Medical	Compact, Rugged, Reliable, Military

# Techna CIRCUIT PROTECTION



	N-Series	TB-Series
Approvals	UL489, UL, TUV, EN60947-2	UL489, UL, TUV, EN60947-2
Poles	1 - 2	2
Current Range	1 - 30A	0.10 - 20A
Max. Voltage	240 Vac	120 / 240 Vac
Actuators	Flush Rocker, Flush Rocker with Push-to-Reset Guard	Slide
Typical Applications	Telecom & Datacom, Power Distribution	Datacom, Power Distribution Units

## Hydraulic-Magnetic RCBOs

Combining hydraulic-magnetic overload sensing and state of the art integrated circuit earth fault protection, our Hydraulic-Magnetic RCBOs are ideally suited for demanding applications such as marine and outdoor installations.

- Overload protection from 0.1 to 50 amps with a range of tripping characteristics
- Earth leakage detection from 6 to 30 milliamps
- Suitable for voltages up to 250 Vac
- 1 to 3 poles with optional neutral pole (switched or unswitched)
- Temperature insensitive – wide operating temperature range with no need for ambient temperature de-rating and virtually eliminates heat-induced nuisance tripping
- Excellent environmental protection; designed & tested to MIL-PRF-55629/MIL-STD-202G and optional panel sealing for adverse conditions
- Range of mounting, actuator and terminal options and available with LED indication of status and fault type
- Available with UL & CSA certifications



	PB-Series	PC-Series
Actuators	Handle / Rocker	Handle / Rocker / Push
Earth Fault Trip	30 or 6mA	30 or 6mA
Current Range	0.1 - 30A	0.1 - 50A
Max. Voltage	240 Vac	250 Vac
Typical Applications	Marine & Waterside Installations, Low Temperatures	Marine & Waterside Installations, Low Temperatures
Approvals	UL489, UL1077, UL943, UL1053, CSA	UL489, UL1077, UL943, UL1053, UL1500

## Ordering Scheme

**NOTE:** Due to the extensive configurations available, a separate catalogue is available for this range on request.