

КАТАЛОГ

Автоматические выключатели (миниатюрные, для оборудования)



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B Frame - Series Circuit Breakers



The B Frame is a very compact yet robust circuit breaker. Used in various applications where space is constrained, the B Frame is available in a variety of configurations, with different types of handles such as standard, rocker, protected rocker, push-pull, and push-to-reset handle types. The B Frame is suitable for various applications in telecom, lighting, railway signalling and solar applications. The B Frame is also available as a 300V DC double pole switch.

B Frame Profile

The B Frame is available in single pole and double pole configurations. This miniaturised precision breaker is available for both AC and DC applications, with a choice of time delay characteristics and auxiliary switch options. The B Frame provides the solution when space constraints exist.

Approvals

The B Frame circuit breaker carries various approvals such as VDE, cURus, CSA, EAC, CCC and is CE certified. It is also recognised to UL 1077, UL 1500, UL 508 and listed to UL 489A.

Features

- AC and DC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability independent of ambient temperature
- Up to two poles
- VDE, EAC and CCC approved, CE certified
- UL compliant (recognised / listed)
- Ratings 0.1 to 30 A (specific certifications)
- Precision tripping characteristics
- Wide range of circuits, mountings, terminations and time delays
- Optional auxiliary switch
- Optional illuminated rocker handle
- 300V DC switch

Applications

- Lighting equipment
- Office equipment
- Power supplies
- Telecom power distribution
- Small generators and motors
- Railway signalling systems
- Entertainment systems
- Marine power systems
- Vending machines
- Power distribution units (PDU)
- Suitable for motor starting
- Solar and renewable power

C Frame - Series Circuit Breakers



The C Frame is a traditional circuit breaker with a front mount profile.

Approvals

The C Frame carries various approvals such as VDE , cURus, CSA and is CE certified. It is also recognised to UL 1077, UL 1500 and listed to UL 489A.

Features

- AC and DC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability independent of ambient temperature
- Up to three poles
- CSA and VDE approved, CE certified
- UL compliant (listed / recognised)
- Ratings 0.1 to 30 A (specific certifications)
- Precision tripping characteristics
- Wide range of circuits, mountings, terminations and time delays
- Optional auxiliary switch

Applications

- Telecom DC power distribution
- UPS equipment
- Mobile power generation equipment
- Power conditioning equipment
- Alternative energy equipment
- Lighting control

Note:

Also known as C Frame MKII and CR Frame.

C Frame MKIV - Series Circuit Breakers



The C Frame is the most traditional distribution and equipment protection circuit breaker and is available in 1 to 4 poles. This front mounted circuit breaker is available for panel mounting, and is available with a toggle handle and rocker handle.

The C Frame MKIV circuit breaker is used in power distribution units, lighting control and in other equipment.

Approvals

The C frame MKIV is CE certified and carries various approvals such as VDE, cURus, CSA, EAC and CCC. It is also recognised to UL 1077, UL 1500 and UL 508, and listed to UL 489 and UL 489A.

Features

- AC and DC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability independent of ambient temperature
- Up to four poles
- VDE, EAC and CCC approved, CE certified
- UL compliant (listed / recognised)
- Ratings 0.1 to 50 A (specific certifications)
- Precision tripping characteristics
- Wide range of circuits, mountings, terminations and time delays
- Two colour handle indication (two tone flush rocker)
- Optional mid-trip indication (standard handle)
- Optional auxiliary switch and trip alarm

Applications

- Telecom DC Power distribution
- UPS equipment
- Mobile power generation equipment
- Alternative energy equipment
- Lighting control
- Marine protection

DD Frame - Series Circuit Breakers



The DD Frame is a compact yet very powerful circuit breaker. Using the hydraulic-magnetic technology which ensures that the breaker performance is unaffected by ambient temperature, the CBI DD Frame series is suitable for various applications in telecom and datacom equipment. These applications include being the main breaker for battery applications, power supplies, distribution breaker for larger loads in DC branch protection, lighting control, UPS, inverters and DC power switching and in power distribution units (PDU). The DD Frame is also available as a switch.

Due to its robustness and ability to withstand harsh environmental conditions, the DD Frame breaker is also used in military applications, railway infrastructure, railway signalling and rolling stock and also in renewable energy solutions for protection in combiner boxes and other battery and storage applications.

DD Frame profile

The DD Frame is available in various configurations and can be structured to suit specific requirements. Available in 1 to 6 poles, this robust and versatile circuit breaker comes in both AC and DC configurations with a choice of various time delay characteristics.

Among the common configurations are the front mount standard handle, rocker handle, flush rocker handle options. As for the termination, Metric and imperial stud terminals, plug-in (bullet terminal), screw, and clamp terminal configurations are available. The breaker comes with the options of having an auxiliary switch and trip alarm. Customer specific configurations, DIN Rail mount and various other options are available.

The DD Frame compact and precision circuit breaker is made of high quality thermoset material, which offers increased electrical and mechanical endurance. The self-cleaning mechanism of the contact actuators ensures that the circuit breaker contacts are kept clean and operate smoothly, offering longer life span.

Approvals

The DD Frame circuit breaker is CE certified and carries various approvals such as VDE, cURus, CSA, EAC and CCC. It is also recognised to UL 1077, UL 1500 and UL 508, and listed to UL 489 and UL 489A.

Note:

The DD Frame replaces CBI's old version of the D Frame, and is similar in fit and form, with enhanced features.

DD Frame - Series Circuit Breakers

Features

- AC and DC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability independent of ambient temperature
- Up to six poles
- VDE, EAC and CCC approved, CE certified
- UL compliant (listed / recognised)
- Ratings 0.1 to 100 A AC and 400 A DC (specific certifications)
- Precision tripping characteristics
- Wide range of circuits, mountings, terminations and time delays
- Two colour handle indication (two tone flush rocker)
- Optional mid-trip indication (standard handle)
- Optional auxiliary switch and trip alarm

Applications

- AC and DC branch circuit installations
- Power conditioning
- Telecom DC power distribution
- Alternative energy equipment
- UPS equipment
- Lighting control
- Mobile power generation equipment
- Battery protection

DD Frame HRC (high current rating)

CBI-electric: low voltage has developed a higher current rated product, capable of handling current ratings up to 125 A in a single pole and 250 A in a two pole configuration.



QA(13) - Series Miniature Circuit Breakers



Mini Rail Mount
1 pole



Mini Rail Mount
2 pole



Mini Rail Mount
3 pole



Mini Rail Mount
3 + N

Features

- AC Circuit Breaker
- Hydraulic-Magnetic technology
- One, two, three, four pole, 1+N and 3+N
- 100% rating capability, independent of ambient temperature
- VC 8036 compliant (SANS 556-1)
- VDE approved, CE certified
- Ratings 5 to 60 A (subject to certification)
- Precision tripping characteristics
- Ultra compact – 13 mm wide module
- Trip indication with mid-trip position
- Reset immediately after overload
- Mini Rail Mount product in black shells
- Suitable to use for electrical isolation
- Shell designed for easier installation onto busbar

Auxiliary Switch, Trip Alarm & Combo:

Features

- Auxiliary Switch
- Auxiliary Switch + Trip Alarm
- Trip Alarm
- AC and DC voltages
- UL 489 listed (Auxiliary Switch: 6 A 250 V AC, 0.5 A 80 V DC)
- IEC 60947-5-1 approved (Auxiliary Switch: 6 A 240 V AC, 0.5 A 110 V DC; Trip Alarm: 6 A 240 V AC, 0.5 A 110 V DC)
- Factory fitted
- Attached to right hand side of Circuit Breaker
- Compact 6.5 mm width

Applications

- AC branch circuit protection (IEC / EN 60947-2)
- Switch Disconnecter (SANS 60947-3)
- Telecom / datacom equipment
- Lighting control
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment
- Residential equipment
- Industrial equipment

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- Escutcheon blank
- Safety blank

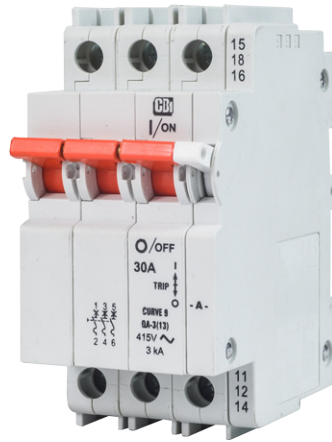
QA(I3)DM - Series Miniature Circuit Breakers



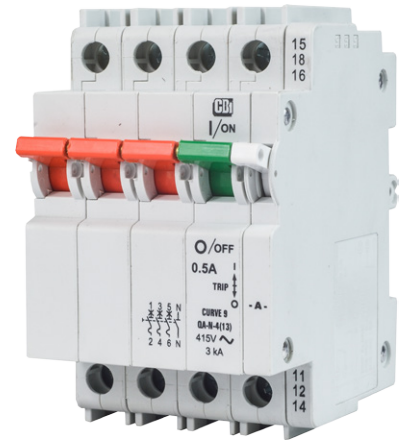
Dual Mount
1 pole + Auxiliary



Dual Mount
2 pole



Dual Mount
3 pole + Auxiliary



Dual Mount
3 + N + Auxiliary

Features

- AC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- One, two, three, four pole, 1+N and 3+N
- VC 8036 compliant (SANS 556-1)
- VDE, CCC, EAC and CRCC approved, CE certified
- Ratings 0.5 to 60 A (subject to certification)
- Precision tripping characteristics
- Ultra compact – 13 mm wide module
- Trip indication with mid-trip position
- Reset immediately after overload
- Dual mount product in grey shells
- Suitable to use for electrical isolation
- Shell designed for easier installation onto busbar

Auxiliary Switch, Trip Alarm & Combo: Features

- Auxiliary switch
- Auxiliary switch + trip alarm
- Trip Alarm
- AC and DC voltages
- UL 489 listed (auxiliary switch: 6 A 250 V AC, 0.5 A 80 V DC)
- IEC 60947-5-1 approved (auxiliary switch: 6 A 240 V AC, 0.5 A 110 V DC; trip alarm: 6 A 240 V AC, 0.5 A 110 V DC)
- Factory fitted
- Attached to right hand side of circuit breaker
- Compact 6.5 mm width

Applications

- AC branch circuit protection (IEC / EN 60947-2)
- Switch disconnector (IEC / EN 60947-3)
- Telecom / datacom equipment
- Lighting control
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment
- Residential equipment
- Industrial equipment

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- Escutcheon blank
- Safety blank

QF(13) - Series Miniature Circuit Breakers



DIN Mount
1 pole



DIN Mount
2 pole



Dual Mount
3 pole



Dual Mount
3 + N

Features

- AC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- One, two, three, four pole, 1+N and 3+N
- VC 8036 compliant (SANS 556-1)
- VDE, EAC and CCC approved, CE certified
- UL 1077 recognised (supplementary protector)
- AS/NZS 3111 approved
- Ratings 0.1 to 25 A (subject to certification)
- Optional shunt trip (approvals pending)
- Available in various currents and time delays
- Precision tripping characteristics
- Ultra compact – 13 mm wide module
- Trip indication with mid-trip position
- Reset immediately after overload
- DIN mount product in grey shells
- Dual mount product in black shells
- Suitable to use for electrical isolation
- Shell designed for easier installation onto busbar

Auxiliary Switch, Trip Alarm & Combo: Features

- Auxiliary Switch (DIN and Dual Mount)
- Auxiliary Switch + Trip Alarm (Dual Mount only)
- Trip alarm (Dual Mount only)
- AC and DC voltages
- UL 489 listed (auxiliary switch: 6 A 250 V AC, 0.5 A 80 V DC)
- IEC 60947-5-1 approved (auxiliary switch: 6 A 240 V AC, 0.5 A 110 V DC; trip alarm: 6 A 240 V AC, 0.5 A 110 V DC)
- Factory fitted
- Attached to right hand side of circuit breaker
- Compact 6.5 mm width

Applications

- AC branch circuit protection (IEC / EN 60947-2)
- Switch disconnector (IEC / EN 60947-3)
- Supplementary protection (UL 1077)
- Telecom / datacom equipment
- Lighting control
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment
- Residential equipment
- Industrial equipment

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- 57 mm escutcheon blank (Dual Mount only)
- 57 mm safety blank (Dual Mount only)

QF(18) - Series Miniature Circuit Breakers



DIN Mount
1 pole

DIN Mount
2 pole

DIN Mount
3 pole

DIN Mount
3+N

Features

- AC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- One, two, three pole, 1+N and 3+N
- VC 8036 compliant (SANS 556-1)
- VDE, EAC and CCC approved, CE certified
- UL 1077 recognised (supplementary protector)
- Ratings 1 to 63 A (subject to certification)
- Optional shunt trip (IEC / EN 60947-2)
- Available in various currents and time delays
- Precision tripping characteristics
- Trip indication with mid-trip position
- Reset immediately after overload
- DIN mount product in grey shells
- Suitable to use for electrical isolation

Applications

- AC branch circuit protection (IEC / EN 60947-2)
- Supplementary protection (UL 1077)
- Telecom / datacom equipment
- Lighting control
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment
- Residential equipment
- Industrial equipment

Auxiliary Switch:

Features

- Auxiliary switch
- AC and DC voltages
- UL 489 listed (6 A 250 V AC, 0.5 A 80 V DC)
- IEC 60947-5-1 approved (6 A 240 V AC, 0.5 A 110 V DC)
- Factory fitted
- Attached to right hand side of circuit breaker
- Compact 6.5 mm width

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar

QF(19) - Series Miniature Circuit Breakers



Dual mount
1 pole

Dual mount
2 pole

Dual mount
3 pole

Dual mount
3+N

Features

- AC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- One, two, three pole, 1+N and 3+N
- VC 8036 compliant (SANS 556-1)
- VDE, EAC and CCC approved, CE certified
- UL 1077 recognised (supplementary protector)
- Ratings 1 to 63 A (subject to certification)
- Optional shunt trip (IEC / EN 60947-2)
- Available in various currents and time delays
- Precision tripping characteristics
- Trip indication with mid-trip position
- Reset immediately after overload
- Dual mount product in black shells
- Suitable to use for electrical isolation

Applications

- AC branch circuit protection (IEC / EN 60947-2)
- Supplementary protection (UL 1077)
- Telecom / datacom equipment
- Lighting control
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment
- Residential equipment
- Industrial equipment

Auxiliary Switch, Trip Alarm & Combo:

Features

- Auxiliary switch
- Auxiliary switch + trip alarm
- Trip alarm
- AC and DC voltages
- UL 489 listed (Auxiliary Switch: 6 A 250 V AC, 0.5 A 80 V DC)
- IEC 60947-5-1 approved (Auxiliary Switch: 6 A 240 V AC, 0.5 A 110 V DC; trip alarm: 6 A 240 V AC, 0.5 A 110 V DC)
- Factory fitted
- Attached to right hand side of circuit breaker
- Compact 6.5 mm width

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- Escutcheon blank
- Safety blank

QF(26) - Series Miniature Circuit Breakers - Low Rating (5 - 63 A)



Dual Mount
1 pole



Dual Mount
2 pole



Dual Mount
3 + N

Features

- AC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- One, two, three pole, 1+N and 3+N (VDE)
- VC 8036 compliant (SANS 556-1)
- VDE, EAC and CCC approved, CE certified
- Ratings 5 to 63 A (subject to certification)
- Precision tripping characteristics
- Trip indication with mid-trip position
- Reset immediately after overload
- Dual mount product in black shells
- Suitable to use for electrical isolation
- Box terminals suitable for cables up to 50 mm²

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- Escutcheon blank
- Safety blank

Applications

- AC branch circuit protection (IEC / EN 60947-2)
- Telecom / datacom equipment
- Lighting control
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment
- Residential equipment
- Industrial equipment

QF(26) - Series Miniature Circuit Breakers - High Rating (70 - 125 A)



Dual Mount
1 pole

Dual Mount
2 pole

Dual Mount
3 pole

Dual Mount
3+N

Features

- AC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- One, two, three pole, 1+N and 3+N (VDE)
- VC 8036 compliant (SANS 556-1)
- VDE and EAC approved, CE certified
- Ratings 70 to 125 A (subject to certification)
- Available in various currents and time delays
- Precision tripping characteristics
- Reset immediately after overload
- Dual mount product in black shells
- Suitable to use for electrical isolation

Applications

- AC branch circuit protection (IEC / EN 60947-2)
- Switch disconnector (IEC / EN 60947-3, UL 508)
- Telecom / datacom equipment
- Lighting control
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment
- Residential equipment
- Industrial equipment

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- Escutcheon blank
- Safety blank

QDC - Series Miniature Circuit Breakers



Dual Mount
1 pole



Dual Mount
2 pole



Dual Mount
2 pole + Auxiliary



DIN Mount
3 pole parallel

Features

- DC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- VDE, EAC and CCC approved, CE certified
- Ratings 0.1 to 63 A (1 & 2 pole), 3 pole parallel (150 A maximum)
- Optional shunt trip (approvals pending)
- Wide range of time delays and operating currents
- Precision tripping characteristics
- Ultra compact – 13 mm wide module
- Trip indication with mid-trip handle
- Reset immediately after overload
- DIN mount product in grey shells
- Dual mount product in black shells
- 80V DC devices are reverse feedable
- 125 / 250V DC devices are polarity sensitive
- Suitable to use for electrical isolation

Auxiliary Switch, Trip Alarm & Combo:

Features

- Auxiliary switch (DIN and Dual Mount)
- Auxiliary switch + trip alarm (Dual Mount only)
- Trip alarm (Dual Mount only)
- AC and DC voltages
- UL 489 listed (auxiliary switch: 6 A 250V AC, 0.5 A 80V DC)
- IEC 60947-5-1 approved (auxiliary switch: 6 A 240V AC, 0.5 A 110V DC; Trip Alarm: 6 A 240V AC, 0.5 A 110V DC)
- Factory fitted
- Attached to right hand side of circuit breaker
- Compact 6.5 mm width

Applications

- DC branch circuit protection (IEC / EN 60947-2)
- Telecom / datacom equipment
- UPS equipment
- Alternative energy equipment
- Battery protection & switching
- Telecommunication DC power distribution
- Railway signalling equipment

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- 57 mm escutcheon blank (Dual Mount only)
- 57 mm safety blank (Dual Mount only)

QL - Series Miniature Circuit Breakers



Dual Mount
1 pole



DIN Mount
2 pole



Dual Mount
3 pole

Features

- AC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- One, two and three pole (UL). One, two, three pole and 1+N, 3+N (VDE).
- VDE, EAC and CCC approved, CE certified
- UL listed (CSA / UL 489)
- Ratings 0.1 to 25 A
- Optional shunt trip (approvals pending)
- Wide range of time delays and operating currents
- Precision tripping characteristics
- Ultra compact – 13 mm wide module
- Trip indication with mid-trip handle
- Reset immediately after overload
- DIN mount product in grey shells
- Dual mount product in black shells
- Current limiting capability
- Ring terminal ready (terminal screw is removable)
- Suitable to use for electrical isolation

Auxiliary Switch, Trip Alarm & Combo:

Features

- Auxiliary switch (DIN and Dual Mount)
- Auxiliary switch + trip alarm (Dual Mount only)
- Trip alarm (Dual Mount only)
- AC and DC voltages
- UL 489 listed (auxiliary switch: 6 A 250V AC, 0.5 A 80V DC)
- IEC 60947-5-1 approved (auxiliary switch: 6 A 240V AC, 0.5 A 110V DC; trip alarm: 6 A 240V AC, 0.5 A 110V DC)
- Factory fitted
- Attached to right hand side of circuit breaker
- Compact 6.5 mm width

Applications

- AC branch circuit protection (UL 489, IEC / EN 60847-2)
- Telecom / datacom equipment
- Lighting control
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Power conditioning equipment

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- 57 mm escutcheon blank (Dual Mount only)
- 57 mm safety blank (Dual Mount only)

QY - Series Miniature Circuit Breakers



DIN Mount
1 pole



Dual Mount
2 pole



DIN Mount
3 pole



Dual Mount
4 + N

Features

- DC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- VDE, EAC and CCC approved, CE certified
- UL listed (UL 489A)
- Ratings 0.1 to 63 A (1 & 2 pole), 3 pole parallel (150 A maximum), 4 pole parallel (200 A maximum)
- Optional shunt trip (approvals pending)
- Wide range of time delays and operating currents
- Precision tripping characteristics
- Ultra compact – 13 mm wide module
- Trip indication with mid-trip handle
- Reset immediately after overload
- DIN mount product in grey shells
- Dual mount product in black shells
- 80V DC devices are reverse feedable
- 125 / 250 / 600V DC devices are polarity sensitive
- Suitable to use for electrical isolation

Auxiliary Switch, Trip Alarm & Combo: Features

- Auxiliary switch (DIN and Dual Mount)
- Auxiliary switch + trip alarm (Dual Mount only)
- Trip alarm (Dual Mount only)
- AC and DC voltages
- UL 489 listed (Auxiliary Switch: 6 A 250V AC, 0.5 A 80V DC)
- IEC 60947-5-1 approved (auxiliary switch: 6 A 240V AC, 0.5 A 110V DC; trip alarm: 6 A 240V AC, 0.5 A 110V DC)
- Factory fitted
- Attached to right hand side of circuit breaker
- Compact 6.5 mm width

Applications

- DC branch circuit protection (UL 489A, IEC / EN 60947-2)
- Telecom / datacom equipment
- UPS equipment
- Alternative energy equipment
- Battery protection & switching
- Telecommunication DC power distribution
- Railway signalling equipment

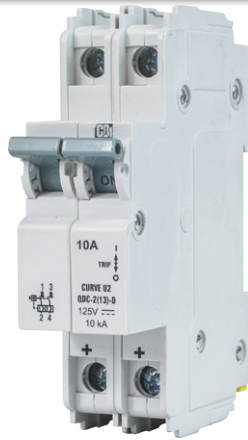
Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- 57 mm escutcheon blank (Dual Mount only)
- 57 mm safety blank (Dual Mount only)

QZ - Series Miniature Circuit Breakers



Dual Mount
1 pole



DIN Mount
2 pole



Dual Mount
3 pole

Features

- AC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability, independent of ambient temperature
- One, two and three pole (UL). One, two, three pole and 1+N, 3+N (VDE).
- VDE, EAC approved, CE certified
- UL 1077 recognised (supplementary protector)
- Ratings 0.1 to 60 A (depends on specification and number of poles)
- Optional shunt trip (approvals pending)
- Wide range of time delays and operating currents
- Precision tripping characteristics
- Ultra compact – 13 mm wide module
- Trip indication with mid-trip handle
- Reset immediately after overload
- DIN mount product in grey shells
- Dual mount product in black shells
- Ring terminal ready (terminal screw is removable)
- Suitable to use for electrical isolation

Auxiliary Switch, Trip Alarm & Combo: Features

- Auxiliary switch (DIN and Dual Mount)
- Auxiliary switch + trip alarm (Dual Mount only)
- Trip alarm (Dual Mount only)
- AC and DC voltages
- UL 489 listed (auxiliary switch: 6 A 250 V AC, 0.5 A 80 V DC)
- IEC 60947-5-1 approved (auxiliary switch: 6 A 240 V AC, 0.5 A 110 V DC; trip alarm: 6 A 240 V AC, 0.5 A 110 V DC)
- Factory fitted
- Attached to right hand side of circuit breaker
- Compact 6.5 mm width

Applications

- AC branch circuit protection (IEC / EN 60947-2)
- Supplementary protection (UL 1077)
- Motor control (UL 60947-4-1A)
- Telecom / datacom equipment
- Lighting control
- UPS equipment
- Alternative energy equipment
- Mobile power generation equipment
- Railway signalling equipment

Optional Accessories

- Handle lock
- Surface mounting clips
- Busbar
- 57 mm escutcheon blank (Dual Mount only)
- 57 mm safety blank (Dual Mount only)

T Frame - Series Circuit Breakers



Approvals

The T Frame circuit breaker carries various approvals such as VDE , cURus, CSA and is CE certified. It is also recognised to UL 1077 and listed to UL 489.

Features

- AC and DC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability independent of ambient temperature
- Up to two poles
- VDE approved, CE certified
- UL compliant (listed / recognised)
- Ratings 0.1 to 30 A (specific certifications)
- Precision tripping characteristics
- Wide range of time delays
- Two colour handle indication (two tone flush rocker)

Applications

- AC and DC branch circuit installations
- Power conditioning
- Telecom power distribution
- Alternative energy equipment
- UPS equipment
- Lighting control
- Mobile power generation equipment

Y - Series Miniature Circuit Breakers



Single Pole
ON



Two Pole
ON



Single Pole
OFF



Two Pole
OFF

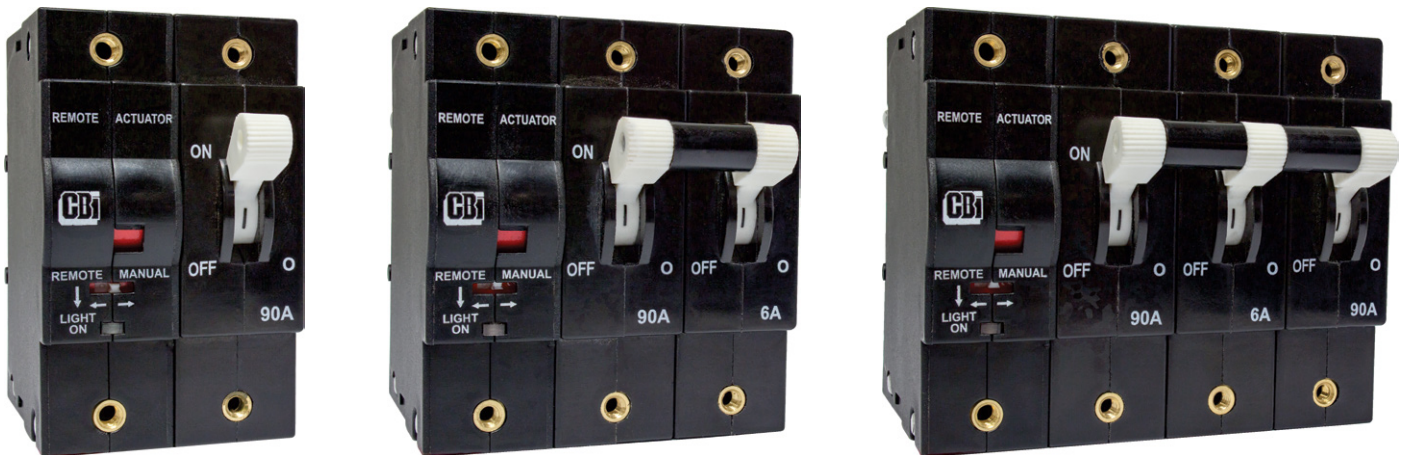
Features

- High energy DC circuit breaker
- 300Vdc single pole, 600Vdc double pole
- (1 & 2 pole) Up to 50 A
- Ultra compact - 13 mm wide module
- VDE, EAC and CCC approved, CE certified
- UL listed (UL 489A; 489B)
- Hydraulic-magnetic technology
- Reset immediately after overload
- DIN mount product in grey shell
- Polarity sensitive
- ON and OFF indication
- Torx screw terminals
- Suitable for electrical isolation
- 100% rating capability, independent of ambient temperature
- RoHS compliant

Applications

- Solar (photovoltaic) (UL 489B)
- DC branch circuit protection (IEC / EN 60947-2)
- Telecom / datacom equipment (UL 489A)
- UPS equipment
- Alternative energy equipment
- Battery protection & switching
- Telecommunication DC power distribution
- Railway signalling equipment

Remote Actuation Unit for DD-frame



Features

- Wide supply voltage operating range: 15Vdc to 80Vdc
Can be supplied from the system line voltage or a standalone source
- LED for status indication
- Selectable between Remote or Manual operation
- Provides status of the load side of the circuit breaker
- Remote switching operation requires only a high or low signal level
- Colour indicator for ON (red) or OFF (green) state of circuit breaker
- Actuation of circuit breaker occurs internally
- Compact size (19 mm, matching DD-frame outline)
- Can be paired with up to a 3 pole DD-frame circuit breaker unit

Applications

- Battery storage management
- Telecommunications
- Railways
- Solar
- System Automation
- Switching operations in distant, unreachable or unsafe environments

The Remote Actuation Unit (RAU) is a factory fitted module that enables the automated switching of DD-frame circuit breakers. The unit can actuate the circuit breakers both ON and OFF. The actuation of the circuit breaker pole occurs completely internally. The RAU unit is mounted on the left hand side of the circuit breakers and can be connected to up to a three pole unit. The RAU connects to circuit breakers with a standard toggle handle only. The circuit breakers can be manually operated when in the REMOTE mode. Two indicators are present on the front face of the RAU unit. The first is an LED that provides an indication of the mode of operation as well as showing the unit's operational status. The second is a colour flag indication which indicates the position of the latching mechanism of the connected circuit breakers. The unit has a select switch, providing the ability to specify the operation mode - remote or manual. A signal output provides feedback to the user that there is power on the load side of the circuit breakers. The unit comes with a universally standard connection terminal.

Approvals Pending

The Remote Actuation Unit is CE certified and carries various approvals such as VDE, cURus, CSA, EAC and CCC. It is also recognised to UL 1077 and UL 508, and listed to UL 489 and UL 489A.

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