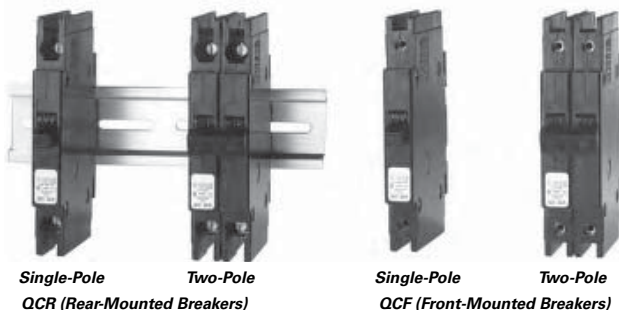


Cable-In/Cable-Out, 1/2-Inch Wide, Types QCR, QCF, QCRH, QCFH



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Cable-In/Cable-Out, 1/2-Inch Wide, Types QCR, QCF, QCRH, QCFH

Product Description

Eaton Type QCR circuit breakers have as a standard feature provisions for 35 mm DIN rail rear mounting with a spring-loaded release. Optional clips for individual mounting are available as a separate accessory.

Type QCF have two threaded steel inserts to facilitate front mounting with #6–32 steel screws. The clamp type terminals are accessible from the rear of the breaker so that cables can be accessed without removal of the breaker from the front cover.

Application Description

QCR and QCF circuit breakers are only 1/2-inch (12.7 mm) wide per pole and are excellent for general purpose industrial applications where space savings is required.

Features, Benefits and Functions

- 1/2-inch (12.7 mm) wide per pole
- Cable-in/cable-out
- Black cases with black handles
- Three position handle: ON, Tripped (center), OFF
- Thermal-magnetic protection

Standards and Certifications

- Built and listed to UL 489
- UL File No. E7819
- CSA File No. LR48907
- Type QCR and QCF circuit breakers are UL listed circuit breakers that are suitable for use as branch circuit protectors
- All ratings 15–60A are HACR rated



Product Selection

Cable-In/Cable-Out,
1/2-Inch WideQCR Breaker Catalog Numbers ^{①②③④}

Continuous Ampere Rating at 40°C	Single-Pole 120/240 Vac	Two-Pole 120/240 Vac	Two-Pole 240 Vac ^⑤	Three-Pole
	Catalog Number	Catalog Number	Catalog Number	Catalog Number
QCR Breaker 10 kAIC Interrupting Ratings				
10	QCR1010	QCR2010	—	—
	QCR1010T	QCR2010T	—	—
	—	QCR2010P	—	—
15	QCR1015 ^⑥	QCR2015	QCR2015H	QCR3015H
	QCR1015T ^⑥	QCR2015T	QCR2015HT	QCR3015HT
	—	QCR2015P	—	—
20	QCR1020 ^⑥	QCR2020	QCR2020H	QCR3020H
	QCR1020T ^⑥	QCR2020T	QCR2020HT	QCR3020HT
	—	QCR2020P	—	—
25	QCR1025	QCR2025	QCR2025H	QCR3025H
	QCR1025T	QCR2025T	QCR2025HT	QCR3025HT
	—	QCR2025P	—	—
30	QCR1030	QCR2030	QCR2030H	QCR3030H
	QCR1030T	QCR2030T	QCR2030HT	QCR3030HT
	—	QCR2030P	—	—
35	QCR1035	QCR2035	—	—
	—	QCR2035P	—	—
40	QCR1040	QCR2040	—	—
	—	QCR2040P	—	—
45	QCR1045	QCR2045	—	—
	—	QCR2045P	—	—
50	QCR1050	QCR2050	—	—
	—	QCR2050P	—	—
55	QCR1055	QCR2055	—	—
	—	QCR2055P	—	—
60 ^⑦	QCR1060	QCR2060	—	—
	—	QCR2060P	—	—
QCR Breaker 22 kAIC Interrupting Ratings				
15	QCRH1015 ^⑥	QCRH2015	—	—
	QCRH1015T ^⑥	QCRH2015T	—	—
20	QCRH1020 ^⑥	QCRH2020	—	—
	QCRH1020T ^⑥	QCRH2020T	—	—

Notes

- ① Standard breaker terminals are box type lugs.
- ② Breakers with **T** Catalog Number Suffix are suitable for line and load side ring terminal connection (#10–32 plus/minus terminal screw provided).
- ③ Breakers with **P** Catalog Number Suffix are suitable for terminating two 10 AWG Quick-Connect Type Terminals per phase on breaker load side.
- ④ Breakers with Shunt Trip (extra pole required on breaker right-hand side) are available on single-, two- and three-pole. Contact the Customer Support Center at 1-800-356-1243.
- ⑤ Breakers with **H** Catalog Suffix have 240 Vac construction.
- ⑥ All 15 and 20A single-pole breakers are SWD (Switching Duty) rated for fluorescent lighting applications.
- ⑦ 60/75°C Cu/Al wire on all ratings except 60A, which requires Cu only conductor.

Cable-In/Cable-Out,
1/2-Inch Wide



QCF Breaker Catalog Numbers ^{①②③}

Continuous Ampere Rating at 40°C	Single-Pole 120/240 Vac Catalog Number	Two-Pole 120/240 Vac Catalog Number	Two-Pole 240 Vac ^④ Catalog Number	Three-Pole Catalog Number
QCF Breaker 10 kAIC Interrupting Ratings				
10	QCF1010	QCF2010	—	—
	QCF1010T	QCF2010T	—	—
15	QCF1015 ^⑤	QCF2015	QCF2015H	QCF3015H
	QCF1015T ^⑤	QCF2015T	QCF2015HT	QCF3015HT
20	QCF1020 ^⑤	QCF2020	QCF2020H	QCF3020H
	QCF1020T ^⑤	QCF2020T	QCF2020HT	QCF3020HT
25	QCF1025	QCF2025	QCF2025H	QCF3025H
	QCF1025T	QCF2025T	QCF2025HT	QCF3025HT
30	QCF1030	QCF2030	QCF2030H	QCF3030H
	QCF1030T	QCF2030T	QCF2030HT	QCF3030HT
35	QCF1035	QCF2035	—	—
40	QCF1040	QCF2040	—	—
45	QCF1045	QCF2045	—	—
50	QCF1050	QCF2050	—	—
55	QCF1055	QCF2055	—	—
60 ^⑥	QCF1060	QCF2060	—	—
QCF Breaker 22 kAIC Interrupting Ratings				
15	QCFH1015 ^⑤	QCFH2015	—	—
	QCFH1015T ^⑤	QCFH2015T	—	—
20	QCFH1020 ^⑤	QCFH2020	—	—
	QCFH1020T ^⑤	QCFH2020T	—	—

Notes

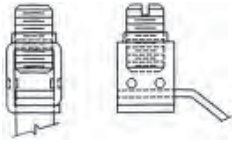
- ① Standard breaker terminals are box type lugs.
- ② Breakers with **T** Catalog Number Suffix are suitable for line and load side ring terminal connection (#10–32 plus/minus terminal screw provided).
- ③ Breakers with Shunt Trip Attachment (extra pole required on breaker right-hand side) are available. Contact the Customer Support Center.
- ④ Breakers with **H** Catalog Suffix have 240 Vac construction.
- ⑤ All 15 and 20A single-pole breakers are SWD (Switching Duty) rated for fluorescent lighting applications.
- ⑥ 60/75°C Cu/Al wire on all ratings except 60A, which requires Cu only conductor.

QCR and QCF Options and Accessories

QCR and QCF Standard Box Terminals

Factory-installed line and load side breaker terminal to accommodate 14 AWG to 4 AWG wire.

Standard Box Terminals



QCR Quick-Connect Terminals

Factory-installed two-prong quick-connect terminal on breaker load side suitable for terminating two 10 AWG wire with insulated slip-on terminals as shown. Line side terminal is the standard type.

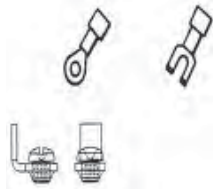
Catalog Suffix "P"



QCR and QCF Ring or Spade Lug Terminals (10 to 30A Ratings Only)

Factory-installed line and load side terminals each equipped with a #10–32 screw suitable for terminating one 10 AWG wire with insulated ring or spade type terminal as shown.

Catalog Suffix "T"



Available QCR and QCF Breaker Accessories

Description	Catalog Number
Steel mounting clip mounts QCR breaker if individual mounting is required. Quantity two required for single- and two-pole and four required for three-pole breakers.	QCRMTGFT
Removable padlock device for single-pole QCR or QCF breaker.	QCRFPL1P
Removable padlock device for multi-pole QCR or QCF breaker.	QCRFPLMP
Padlock bracket assembly for QCR or QCF single- or multi-pole breakers (OFF only).	QCRFLOFF
Padlock bracket for QCR, lock-off only.	QCRPLOFF

Technical Data and Specifications

- Single-, two- and three-pole
- 10 kAIC at 120/240 Vac, 10–60A
- 22 kAIC at 120/240 Vac, 15–20A
- 10 kAIC at 240 Vac, 10–30A
- 3 kAIC at 62.5 Vdc (single-pole)
- 3 kAIC at 130 Vdc (two poles in series)
- Normal operating environment:
 - 0–40°C
 - 5–95% humidity (noncondensing)