

Molded Case Circuit Breakers

# BQD/CQD Circuit Breakers

1, 2 and 3-Poles; 15-100 Amperes



Ratings and markings (UL 489 AIR interrupting ratings)

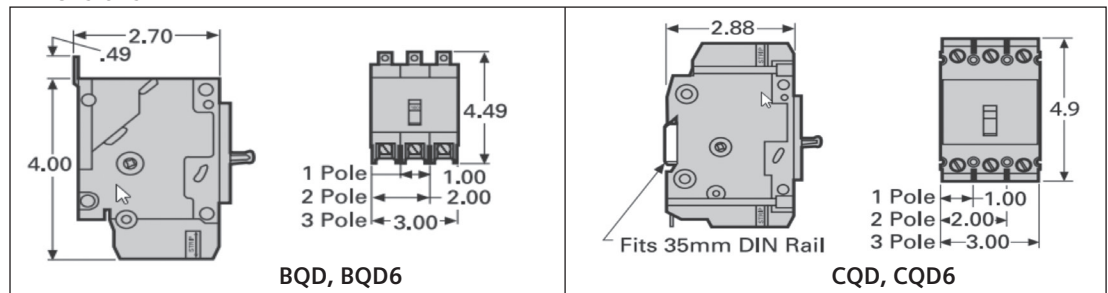
| Breaker Type | RMS symmetrical amperes (kA) |     |     |         |     |         | Volts DC |         |
|--------------|------------------------------|-----|-----|---------|-----|---------|----------|---------|
|              | Volts (50/60Hz)              |     |     |         |     |         |          |         |
|              | 120                          | 240 | 277 | 480/277 | 347 | 600/347 | 125      | 125/250 |
| BQD/CQD      | 65                           | 65  | 14  | 14      | —   | —       | 14       | 14      |

Ratings and markings (CSA AIR interrupting ratings)

| Breaker Type           | RMS symmetrical amperes (kA) |     |     |         |     |         | Volts DC |         |
|------------------------|------------------------------|-----|-----|---------|-----|---------|----------|---------|
|                        | Volts (50/60Hz)              |     |     |         |     |         |          |         |
|                        | 120                          | 240 | 277 | 480/277 | 347 | 600/347 | 125      | 125/250 |
| BQD6/CQD6 <sup>1</sup> | —                            | —   | —   | —       | 10  | 10      | 14       | 14      |

<sup>1</sup> BQD6/CQD6 are CSA only – not UL listed.

Dimensions



BQD catalog numbers

| Continuous current rating @40C | 1 pole<br>277V AC -<br>125V DC<br>catalog number | 2 pole<br>480Y/277V AC<br>125/250V DC<br>catalog number | 3 pole<br>480Y/277V AC<br>catalog number |
|--------------------------------|--|---|--|
| 15                             | BQD115   | BQD215  | BQD315                                   |
| 20                             | BQD120   | BQD220  | BQD320                                   |
| 25                             | BQD125   | BQD225  | BQD325                                   |
| 30                             | BQD130   | BQD230  | BQD330                                   |
| 35                             | BQD135   | BQD235  | BQD335                                   |
| 40                             | BQD140   | BQD240  | BQD340                                   |
| 45                             | BQD145   | BQD245  | BQD345                                   |
| 50                             | BQD150   | BQD250  | BQD350                                   |
| 60                             | BQD160   | BQD260  | BQD360                                   |
| 70                             | BQD170   | BQD270  | BQD370                                   |
| 80                             | BQD180   | BQD280  | BQD380                                   |
| 90                             | BQD190   | BQD290  | BQD390                                   |
| 100                            | BQD1100  | BQD2100   | BQD3100                                  |

BQD6 catalog numbers (CSA only)

| Continuous current rating @40C | 1 pole<br>347V AC<br>catalog number | 2 pole<br>600Y/347V AC<br>catalog number | 3 pole<br>600Y/347V AC<br>catalog number |
|--------------------------------|-------------------------------------|--|--|
| 15                             | BQD6115                             | BQD6215                                  | BQD6315                                  |
| 20                             | BQD6120                             | BQD6220                                  | BQD6320                                  |
| 25                             | BQD6125                             | BQD6225                                  | BQD6325                                  |
| 30                             | BQD6130                             | BQD6230                                  | BQD6330                                  |
| 35                             | BQD6135                             | BQD6235                                  | BQD6335                                  |
| 40                             | BQD6140                             | BQD6240                                  | BQD6340                                  |
| 45                             | BQD6145                             | BQD6245                                  | BQD6345                                  |
| 50                             | BQD6150                             | BQD6250                                  | BQD6350                                  |
| 60                             | BQD6160                             | BQD6260                                  | BQD6360                                  |
| 70                             | BQD6170                             | BQD6270                                  | BQD6370                                  |

### CQD (Cable in – Cable out) DIN Rail Mount

| Continuous current rating @40C | 1 pole                               | 2 pole  | 3 pole                         |
|--------------------------------|--------------------------------------|---|--------------------------------|
|                                | 277V AC<br>125V DC<br>catalog number | 480Y/277V AC<br>125/250V DC<br>catalog number | 480Y/277V AC<br>catalog number |
| 15                             | CQD115                               | CQD215  | CQD315                         |
| 20                             | CQD120                               | CQD220  | CQD320                         |
| 25                             | CQD125                               | CQD225  | CQD325                         |
| 30                             | CQD130                               | CQD230  | CQD330                         |
| 35                             | CQD135                               | CQD235  | CQD335                         |
| 40                             | CQD140                               | CQD240  | CQD340                         |
| 45                             | CQD145                               | CQD245  | CQD345                         |
| 50                             | CQD150                               | CQD250  | CQD350                         |
| 60                             | CQD160                               | CQD260  | CQD360                         |
| 70                             | CQD170                               | CQD270  | CQD370                         |
| 80                             | CQD180                               | CQD280  | CQD380                         |
| 90                             | CQD190                               | CQD290  | CQD390                         |
| 100                            | CQD1100                              | CQD2100                                       | CQD3100                        |

### CQD6 (CSA only)

| Continuous current rating @40C | 1 pole                    | 2 pole                         | 3 pole                        |
|--------------------------------|---------------------------|--------------------------------|-------------------------------|
|                                | 347V AC<br>catalog number | 600Y/347V AC<br>catalog number | 600Y/347V A<br>catalog number |
| 15                             | —                         | CQD6215                        | CQD6315                       |
| 20                             | CQD6120                   | CQD6220                        | CQD6320                       |
| 25                             | CQD6125                   | CQD6225                        | CQD6325                       |
| 30                             | CQD6130                   | CQD6230                        | CQD6330                       |
| 35                             | CQD6135                   | CQD6235                        | CQD6335                       |
| 40                             | CQD6140                   | CQD6240                        | CQD6340                       |
| 45                             | CQD6145                   | CQD6245                        | CQD6345                       |
| 50                             | CQD6150                   | CQD6250                        | CQD6350                       |
| 60                             | CQD6160                   | CQD6260                        | CQD6360                       |
| 70                             | CQD6170                   | CQD6270                        | —                             |

### Auxiliary switch

| Maximum voltage |     | Number of contacts | BQD, BQD6, CQD, CQD6 catalog number |
|-----------------|-----|--------------------|-------------------------------------|
| AC              | DC  |                    |                                     |
| 240             | 125 | 1A-1B              | CQDA1                               |
| 240             | 125 | 2A-2B              | CQDA2                               |

### Alarm switch

| Maximum voltage |     | BQD, BQD6, CQD, CQD6 catalog number |
|-----------------|-----|-------------------------------------|
| AC              | DC  |                                     |
| 240             | 125 | CQDBA                               |

### Shunt trip

| Control voltage |      | BQD, BQD6, CQD, CQD6 catalog number |
|-----------------|------|-------------------------------------|
| V AC            | V DC |                                     |
| 120             | —    | CQDST120                            |
| 240             | —    | CQDST240                            |
| 277             | —    | CQDST277                            |
| 480             | —    | CQDST480                            |
| 600             | —    | CQDST600                            |
| —               | 12   | CQDST12                             |
| —               | 24   | CQDST24                             |
| —               | 48   | CQDST48                             |
| —               | 125  | CQDST125                            |

### Shunt trip and auxiliary switch combinations

| Shunt trip voltage |     | BQD, BQD6, CQD, CQD6 catalog number |
|--------------------|-----|-------------------------------------|
| AC                 | DC  |                                     |
| 24                 | —   | CQDST24AAS                          |
| 120                | —   | CQDST120AAS                         |
| 240                | —   | CQDST240AAS                         |
| 277                | —   | CQDST277AAS                         |
| 480                | —   | CQDST480AAS                         |
| 600                | —   | CQDST600AAS                         |
| —                  | 12  | CQDST12DAS                          |
| —                  | 24  | CQDST24DAS                          |
| —                  | 48  | CQDST48DAS                          |
| —                  | 125 | CQDST125DAS                         |

### Alarm and auxiliary switch combinations

| For breaker          | Catalog number |
|----------------------|----------------|
| BQD, BQD6, CQD, CQD6 | CQDA1BA        |

### Lugs for 60/75°C Wire

| BQD – Load End Only |                                |
|---------------------|--------------------------------|
| 15-40               | #14-#6 AWG Cu<br>#12-#6 AWG Al |
| 45-100              | #8-#1 AWG Cu<br>#6-#1/0 AWG Al |

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