## QO Plug-On Circuit Breakers

Square D brand QO miniature circuit breakers are plug-on products for use in QO load centers, NQOD and NQ panelboards, NQOD and NQ OEM interiors or Speed-D ${ }^{\text {m }}$ switchboard distribution panels. Bolt-on QOB circuit breakers are for use in NQOD and NQ panelboards or interiors. [1]
The Square D exclusive Qwik-Open ${ }^{\text {Tw" }}$ mechanism, with a trip reaction within $1 / 60$ th of a second, is standard on all 1P 15 A and 20 A QO circuit breakers.

Table 1.18: Plug-On Circuit Breakers

| Amperes <br> Rating [2] | 1P-120/240 Vac | $\begin{aligned} & \text { 2P-120/240 Vac } \\ & \text { Common Trip } \end{aligned}$ | $2 \mathrm{P}-240 \mathrm{Vac} \text { [3] }$ <br> Common Trip | 3P-240 Vac Common Trip |
| :---: | :---: | :---: | :---: | :---: |
| 10 k AIR |  |  |  |  |
| 10 A | QO110 | QO210 | - | QO310 |
| 15 A | QO115 [4] [5] | QO215 [4] | QO215H | QO315 [4] |
| 20 A | Q0120 [4] [5] | QO220 [4] | QO220H | QO320 [4] |
| 25 A | Q0125 [4] | QO225 [4] | QO225H | QO325 [4] |
| 30 A | Q0130 [4] | QO230 [4] | QO230H | QO330 [4] |
| 35 A | Q0135 [4] | QO235 [4] | - | QO335 [4] |
| 40 A | Q0140 [4] | QO240 [4] | QO240H | QO340 [4] |
| 45 A | Q0145 [4] | QO245 [4] | - | QO345 [4] |
| 50 A | QO150 [4] | QO250 [4] | QO250H | QO350 [4] |
| 60 A | Q0160 [4] | QO260 [4] | QO260H | QO360 [4] |
| 70 A | Q0170 [4] | QO270 [4] | QO270H | QO370 [4] |
| 80 A | - | QO280 [4] | QO280H | QO380 [4] |
| 90 A | - | QO290 [4] | QO290H | QO390 [4] |
| 100 A | - | QO2100 [4] | QO2100H | QO3100 [4] |
| 110 A | - | QO2110 [4] | - | - |
| 125 A | - | QO2125 [4] | - | - |
| 150 A | - | QO2150 [4] [6] [7] | - | - |
| 175 A | - | QO2175 [4] [6] [7] | - | - |
| 200 A | - | QO2200 [4] [6] [7] | - | - |
| Molded Case Switch 60 A max.-240 Vac |  | - | QO200 | QO300 |
| Molded Case Switch 100 A max.-240 Vac |  | - | QO2000 [8] | QO3000 [8] |
| 22 k AIR [4] |  |  |  |  |
| 15 A | QO115VH [5] | QO215VH [9] | - | QO315VH [9] |
| 20 A | QO120VH [5] | QO220VH [9] | - | QO320VH [9] |
| 25 A | QO125VH | QO225VH [9] | - | QO325VH [9] |
| 30 A | QO130VH | QO230VH [9] | - | QO330VH [9] |
| 40 A | QO140VH | QO240VH [9] | - | QO340VH [9] |
| 50 A | QO150VH | QO250VH [9] | - | QO350VH [9] |
| 60 A | QO160VH | QO260VH [9] | - | QO360VH [9] |
| 70 A | QO170VH | QO270VH [9] | - | QO370VH [9] |
| 80 A | - | QO280VH [9] | - | QO380VH [9] |
| 90 A | - | QO290VH [9] | - | QO390VH [9] |
| 100 A | - | QO2100VH [9] [10] | - | QO3100VH [9] |
| 110 A | - | QO2110VH [9] [10] | - | - |
| 125 A | - | QO2125VH [9] [10] | - | - |
| 150 A | - | QO2150VH [6] [9] [7] | - | - |
| 175 A | - | QO2175VH [6] [9] [7] | - | - |
| 200 A | - | QO2200VH [6] [9] [7] | - | - |
| $42 \mathrm{k} \mathrm{AIR} \mathrm{[4]}$ |  |  |  |  |
| 40 A | - | QOH240 [8] | - | - |
| 45 A | - | QOH245 [8] | - | - |
| 50 A | - | QOH250 [8] | - | - |
| 60 A | - | QOH26 [8] | - | - |
| 70 A | - | QOH270 | - | - |
| 80 A | - | QOH280 | - | - |
| 90 A | - | QOH290 | - | - |
| 100 A | - | QOH2100 | - | - |
| 110 A | - | QOH2110 [8] | - | - |
| 125 A | - | QOH2125 | - | - |
| 65 k AIR [4] |  |  |  |  |
| 15 A | QH115 [5] | QH215 | - | QH315 [4] |
| 20 A | QH120 [5] | QH220 | - | QH320 |
| 25 A | QH125 [8] | QH225 [8] | - | QH325 [8] |
| 30 A | QH130 | QH230 | - | QH330 |

Refer topage 7-2 for Interrupting Ratings, Accessories, and Dimensions.
QO2200 2P 200 A 4 Spaces Required
[1] See Digest Section 1 for load centers, and Section 9 for panelboards and interiors.
[2] 10-30 A circuit breakers are suitable for use with $60^{\circ} \mathrm{C}$ or $75^{\circ} \mathrm{C}$ conductors. $35-125 \mathrm{~A}$ circuit breakers are suitable for use with $75^{\circ} \mathrm{C}$ conductors.
[3] UL Listed 5 k AIR on corner grounded Delta systems.
[4] UL Listed as HACR type for use with air conditioning, heating and refrigeration equipment haing motor group combinations and marked for use with HACR type circuit breakers.
[5] UL Listed as SWD (switching duty) rated. Suitable for switching 120 Vac fluorescent lighting loads.
[6] Requires four spaces ( 1 AWG-300 kcmil Al/Cu.) Suitable for switching 120 Vac fluorescent lighting loads.
[7] Not suitable for use in $3 \varnothing$ panels. Use only in $1 \varnothing$ panel rated 150 A or greater.
[8] Order only. Contact your local Field Office.
[9] UL Listed for use ahead of QO, QO-GFI, QO-EPD, QOT, QO-AFI, and QO-PL 10 k AIR circuit breakers to permit their application at 22 kA fault level. [10] 100 A maximum branch mounted opposite.

