# Square D™ Load Center Short-Circuit Current Ratings

**Retain for future use.**

## Introduction

This document defines fully-rated systems, two-tier series short circuit current protection and three-tier series short circuit current protection. It also addresses NEC® requirements and illustrates series rating labels currently provided with Square D™ multi-metering and load center equipment manufactured by Schneider Electric™. The location of series rating labels applied to Square D load centers is depicted on pages 2 and 3 of this document.

### Fully Rated System

In a fully rated system, the interrupting rating of all the overcurrent protective devices must be greater than or equal to the available fault current at the line side terminals of each device.

### Series Rated System

The NEC® and UL® permit assigning a short circuit current rating to a tested combination of circuit breakers or fuses that is higher than the individual rating of the downstream overcurrent protective device. Testing by the circuit breaker manufacturer demonstrates that the combination can safely interrupt the available fault current.

NEMA® defines a series rating as follows:

> **Series Rating**–A short-circuit interrupting rating assigned to a combination of two or more overcurrent protective devices which are connected in a series and in which the rating of the downstream device(s) in the combination is less than the series rating.

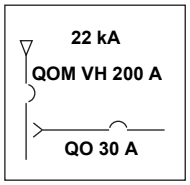
The combination of overcurrent protective devices may be enclosed in a single piece of equipment such as a load center. Three-tier series rated systems are most commonly designed with the supply side device in a separate enclosure, such as metering equipment, that feeds a load center.

**NOTE:** The load side device is always a circuit breaker. The supply side device may be either a circuit breaker or a set of current limiting fuses.

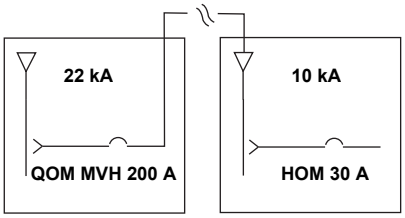
### Two-Tier Series Rating

A two-tier series rating can be used within a single enclosure (Example 1) or in separate enclosures (Example 2).

**Example 1: QO™ Main Circuit Breaker Load Center**




**Example 2: MP Meter-Pak™ Feeding Homeline™ Main Lug Load Center**

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## Location of Two-Tier Series Ratings Label in Schneider Electric Equipment

The permitted NEC® and UL® series ratings are found marked in the equipment. Unless the equipment is marked, one cannot be assured the circuit breaker combination will perform appropriately in the enclosure. Schneider Electric marks two-tier series ratings on the inside wall of load centers (See Figure 1). The two-tier series rating labels applied to current production convertible main QO™ and fixed main Homeline™ load centers are depicted in Figures 2 and 5, respectively.

**NOTE:** The information contained in this data bulletin is current at time of printing; however, ratings may change or additional ratings may be added without notice. Refer to the series-connected ratings marked on the equipment.

**Figure 1: Two-Tier Series Ratings Label Application**

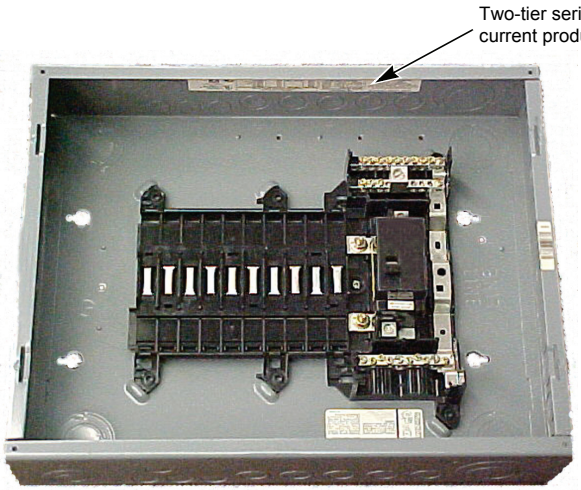
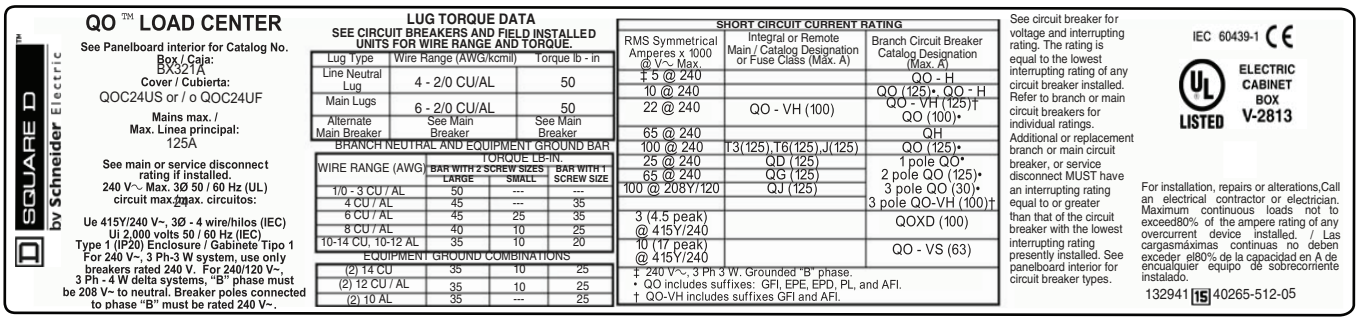



**Figure 2: QO Two-Tier Series Ratings Labels for Convertible Main Load Centers**



QO™ LOAD CENTER

See Panelboard interior for Catalog No.
Box / Caja: BX321A
Cover / Cubierta: QOC24US or / o QOC24UF

Mains max. / Max. Linea principal: 125A

See main or service disconnect rating if installed.
240 V~ Max. 3Ø 50 / 60 Hz (UL)
circuit max. / max. circuitos: 24

Ue 415Y/240 V~, 3Ø - 4 wire/hilos (IEC)
Ui 2,000 volts 50 / 60 Hz (IEC)
Type 1 (IP20) Enclosure / Gabinete Tipo 1
For 240 V~, 3 Ph-3 W system, use only breakers rated 240 V. For 240/120 V~, 3 Ph - 4 W delta systems, "B" phase must be 208 V~ to neutral. Breaker poles connected to phase "B" must be rated 240 V~.

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LUG TORQUE DATA
SEE CIRCUIT BREAKERS AND FIELD INSTALLED UNITS FOR WIRE RANGE AND TORQUE.

| Lug Type | Wire Range (AWG/kcmil) | Torque lb - in |
|---|---|---|
| Line Neutral Lug | 4 - 2/0 CU/AL | 50 |
| Main Lugs | 6 - 2/0 CU/AL | 50 |
| Alternate Main Breaker | See Main Breaker | See Main Breaker |

BRANCH NEUTRAL AND EQUIPMENT GROUND BAR

| WIRE RANGE (AWG) | TORQUE LB-IN. BAR WITH 2 SCREW SIZES LARGE | SMALL | BAR WITH 1 SCREW SIZE |
|---|---|---|---|
| 1/0 - 3 CU / AL | 50 | --- | --- |
| 4 CU / AL | 45 | --- | 35 |
| 6 CU / AL | 45 | 25 | 35 |
| 8 CU / AL | 40 | 10 | 25 |
| 10-14 CU, 10-12 AL | 35 | 10 | 20 |
| EQUIPMENT GROUND COMBINATIONS | | | |
| (2) 14 CU | 35 | 10 | 25 |
| (2) 12 CU / AL | 35 | 10 | 25 |
| (2) 10 AL | 35 | --- | 25 |

SHORT CIRCUIT CURRENT RATING

| RMS Symmetrical Amperes x 1000 @ V~ Max. | Integral or Remote Main / Catalog Designation or Fuse Class (Max. A) | Branch Circuit Breaker Catalog Designation (Max. A) |
|---|---|---|
| ‡ 5 @ 240 | | QO - H |
| 10 @ 240 | | QO (125)• QO - H |
| 22 @ 240 | QO - VH (100) | QO - VH (125)† QO (100)• |
| 65 @ 240 | | QH |
| 100 @ 240 | T3(125),T6(125),J(125) | QO (125)• |
| 25 @ 240 | QD (125) | 1 pole QO• |
| 65 @ 240 | QG (125) | 2 pole QO (125)• |
| 100 @ 208Y/120 | QJ (125) | 3 pole QO (30)• |
| | | 3 pole QO-VH (100)† |
| 3 (4.5 peak) @ 415Y/240 | | QOXD (100) |
| 10 (17 peak) @ 415Y/240 | | QO - VS (63) |

‡ 240 V~, 3 Ph 3 W. Grounded "B" phase.
• QO includes suffixes: GFI, EPE, EPD, PL, and AFI.
† QO-VH includes suffixes GFI and AFI.

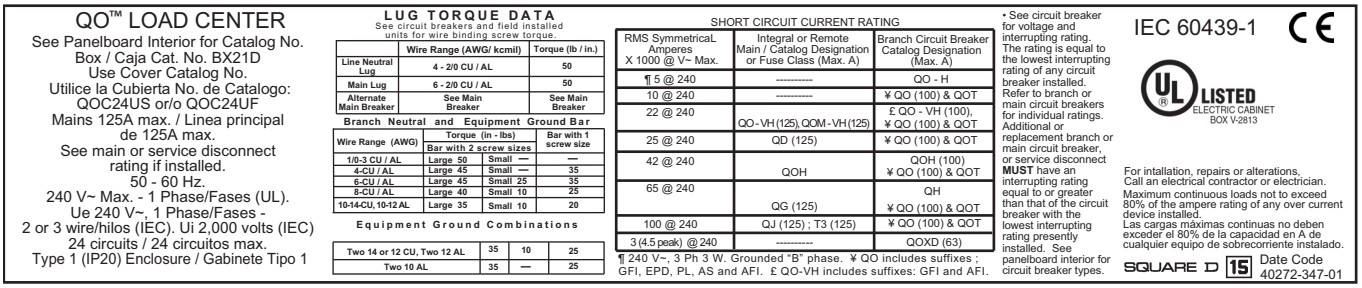
See circuit breaker for voltage and interrupting rating. The rating is equal to the lowest interrupting rating of any circuit breaker installed. Refer to branch or main circuit breakers for individual ratings. Additional or replacement branch or main circuit breaker, or service disconnect MUST have an interrupting rating equal to or greater than that of the circuit breaker with the lowest interrupting rating presently installed. See panelboard interior for circuit breaker types.

IEC 60439-1 CE
UL LISTED ELECTRIC CABINET BOX V-2813

For installation, repairs or alterations,Call an electrical contractor or electrician. Maximum continuous loads not to exceed80% of the ampere rating of any overcurrent device installed. / Las cargasmáximas continuas no deben exceder el80% de la capacidad en A de encualquier equipo de sobrecorriente instalado.

132941 15 40265-512-05

**Three-Phase QO Load Centers 125 A Max.**



QO™ LOAD CENTER
See Panelboard Interior for Catalog No.
Box / Caja Cat. No. BX21D
Use Cover Catalog No.
Utilice la Cubierta No. de Catalogo:
QOC24US or/o QOC24UF
Mains 125A max. / Linea principal de 125A max.
See main or service disconnect rating if installed.
50 - 60 Hz.
240 V~ Max. - 1 Phase/Fases (UL).
Ue 240 V~, 1 Phase/Fases -
2 or 3 wire/hilos (IEC). Ui 2,000 volts (IEC)
24 circuits / 24 circuitos max.
Type 1 (IP20) Enclosure / Gabinete Tipo 1

LUG TORQUE DATA
See circuit breakers and field installed units for wire binding screw torque.

| | Wire Range (AWG/ kcmil) | Torque (lb / in.) |
|---|---|---|
| Line Neutral Lug | 4 - 2/0 CU / AL | 50 |
| Main Lug | 6 - 2/0 CU / AL | 50 |
| Alternate Main Breaker | See Main Breaker | See Main Breaker |

Branch Neutral and Equipment Ground Bar

| Wire Range (AWG) | Torque (in - lbs) Bar with 2 screw sizes | | Bar with 1 screw size |
|---|---|---|---|
| 1/0-3 CU / AL | Large 50 | Small — | — |
| 4-CU / AL | Large 45 | Small — | 35 |
| 6-CU / AL | Large 45 | Small 25 | 35 |
| 8-CU / AL | Large 40 | Small 10 | 25 |
| 10-14-CU, 10-12 AL | Large 35 | Small 10 | 20 |

Equipment Ground Combinations

| | | | |
|---|---|---|---|
| Two 14 or 12 CU, Two 12 AL | 35 | 10 | 25 |
| Two 10 AL | 35 | — | 25 |

SHORT CIRCUIT CURRENT RATING

| RMS SymmetricaL Amperes X 1000 @ V~ Max. | Integral or Remote Main / Catalog Designation or Fuse Class (Max. A) | Branch Circuit Breaker Catalog Designation (Max. A) |
|---|---|---|
| ¶ 5 @ 240 | ---------- | QO - H |
| 10 @ 240 | ---------- | ¥ QO (100) & QOT |
| 22 @ 240 | QO - VH (125), QOM - VH (125) | £ QO - VH (100), ¥ QO (100) & QOT |
| 25 @ 240 | QD (125) | ¥ QO (100) & QOT |
| 42 @ 240 | QOH | QOH (100) ¥ QO (100) & QOT |
| 65 @ 240 | QG (125) | QH ¥ QO (100) & QOT |
| 100 @ 240 | QJ (125) ; T3 (125) | ¥ QO (100) & QOT |
| 3 (4.5 peak) @ 240 | ---------- | QOXD (63) |

¶ 240 V~, 3 Ph 3 W. Grounded "B" phase. ¥ QO includes suffixes ; GFI, EPD, PL, AS and AFI. £ QO-VH includes suffixes: GFI and AFI.

• See circuit breaker for voltage and interrupting rating. The rating is equal to the lowest interrupting rating of any circuit breaker installed. Refer to branch or main circuit breakers for individual ratings. Additional or replacement branch or main circuit breaker, or service disconnect **MUST** have an interrupting rating equal to or greater than that of the circuit breaker with the lowest interrupting rating presently installed. See panelboard interior for circuit breaker types.

IEC 60439-1 CE
UL LISTED ELECTRIC CABINET BOX V-2813

For intallation, repairs or alterations, Call an electrical contractor or electrician.
Maximum continuous loads not to exceed 80% of the ampere rating of any over current device installed.
Las cargas máximas continuas no deben exceder el 80% de la capacidad en A de cualquier equipo de sobrecorriente instalado.

SQUARE D 15 Date Code 40272-347-01

**Single-Phase QO Load Centers 125 A Max.**


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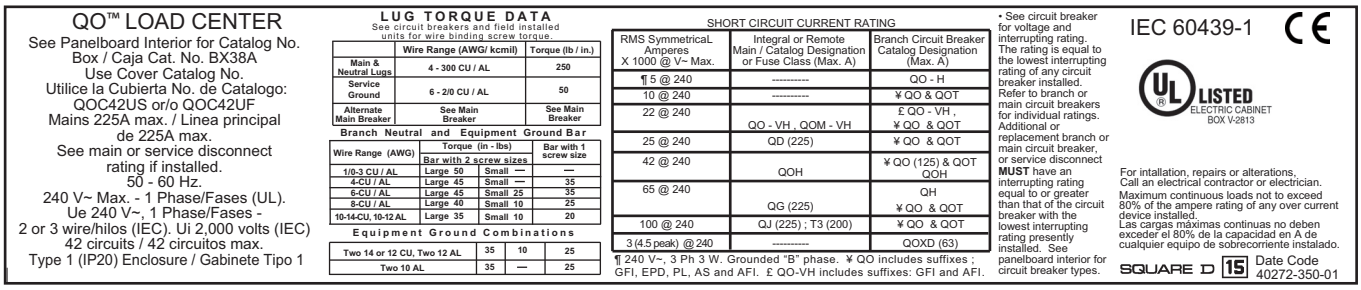
**Figure 2:** ***(Continued)*** **QO Two-Tier Series Ratings Labels for Convertible Main Load Centers**



QO™ LOAD CENTER
See Panelboard Interior for Catalog No.
Box / Caja Cat. No. BX38A
Use Cover Catalog No.
Utilice la Cubierta No. de Catalogo:
QOC42US or/o QOC42UF
Mains 225A max. / Linea principal de 225A max.
See main or service disconnect rating if installed.
50 - 60 Hz.
240 V~ Max. - 1 Phase/Fases (UL).
Ue 240 V~, 1 Phase/Fases -
2 or 3 wire/hilos (IEC). Ui 2,000 volts (IEC)
42 circuits / 42 circuitos max.
Type 1 (IP20) Enclosure / Gabinete Tipo 1

LUG TORQUE DATA
See circuit breakers and field installed units for wire binding screw torque.

| | Wire Range (AWG/ kcmil) | Torque (lb / in.) |
|---|---|---|
| Main & Neutral Lugs | 4 - 300 CU / AL | 250 |
| Service Ground | 6 - 2/0 CU / AL | 50 |
| Alternate Main Breaker | See Main Breaker | See Main Breaker |

Branch Neutral and Equipment Ground Bar

| Wire Range (AWG) | Torque (in - lbs) Bar with 2 screw sizes | | Bar with 1 screw size |
|---|---|---|---|
| 1/0-3 CU / AL | Large 50 | Small — | — |
| 4-CU / AL | Large 45 | Small — | 35 |
| 6-CU / AL | Large 45 | Small 25 | 35 |
| 8-CU / AL | Large 40 | Small 10 | 25 |
| 10-14-CU, 10-12 AL | Large 35 | Small 10 | 20 |

Equipment Ground Combinations

| | | | |
|---|---|---|---|
| Two 14 or 12 CU, Two 12 AL | 35 | 10 | 25 |
| Two 10 AL | 35 | — | 25 |

SHORT CIRCUIT CURRENT RATING

| RMS SymmetricaL Amperes X 1000 @ V~ Max. | Integral or Remote Main / Catalog Designation or Fuse Class (Max. A) | Branch Circuit Breaker Catalog Designation (Max. A) |
|---|---|---|
| ¶ 5 @ 240 | ---------- | QO - H |
| 10 @ 240 | ---------- | ¥ QO & QOT |
| 22 @ 240 | QO - VH , QOM - VH | £ QO - VH , ¥ QO & QOT |
| 25 @ 240 | QD (225) | ¥ QO & QOT |
| 42 @ 240 | QOH | ¥ QO (125) & QOT QOH |
| 65 @ 240 | QG (225) | QH ¥ QO & QOT |
| 100 @ 240 | QJ (225) ; T3 (200) | ¥ QO & QOT |
| 3 (4.5 peak) @ 240 | ---------- | QOXD (63) |

¶ 240 V~, 3 Ph 3 W. Grounded "B" phase. ¥ QO includes suffixes ; GFI, EPD, PL, AS and AFI. £ QO-VH includes suffixes: GFI and AFI.

• See circuit breaker for voltage and interrupting rating. The rating is equal to the lowest interrupting rating of any circuit breaker installed. Refer to branch or main circuit breakers for individual ratings. Additional or replacement branch or main circuit breaker, or service disconnect **MUST** have an interrupting rating equal to or greater than that of the circuit breaker with the lowest interrupting rating presently installed. See panelboard interior for circuit breaker types.

IEC 60439-1 CE
UL LISTED ELECTRIC CABINET BOX V-2813

For intallation, repairs or alterations, Call an electrical contractor or electrician.
Maximum continuous loads not to exceed 80% of the ampere rating of any over current device installed.
Las cargas máximas continuas no deben exceder el 80% de la capacidad en A de cualquier equipo de sobrecorriente instalado.

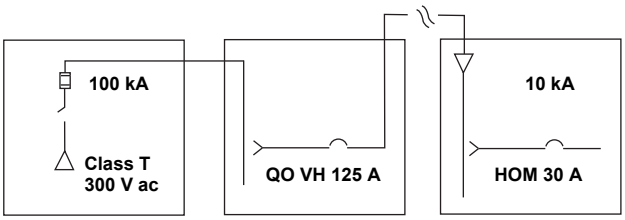
SQUARE D 15 Date Code 40272-350-01

**Single-Phase QO Load Centers 150 A—225 A**

## Three-Tier Series Rating

A three-tier series rating consists of three levels of overcurrent protection devices (the furthest load side device being a circuit breaker). Per NEC® 240.86, this three-tier combination of overcurrent protection must be marked on the end use electrical equipment (load center). See Example 3.

**Example 3: EZM™ Fusible Main Device feeding EZM Branch Device feeding Homeline Main Lug Load Center (100 kA Three-Tier Series Rating)**



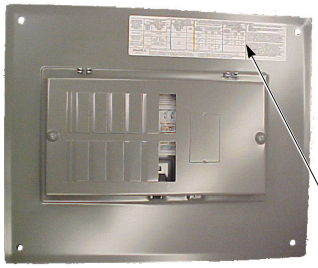

## Location of Three-Tier Series Ratings in Square D Equipment

For convertible main load centers, three-tier series ratings labels are applied on the back side of indoor load center covers and on outdoor load center deadfronts (See Figure 3). The information contained on this three-tier series rating label is shown in Figure 4.

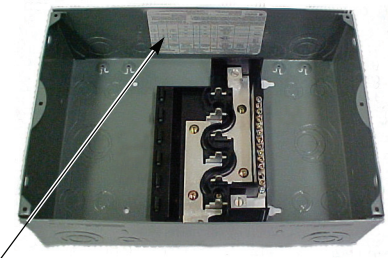
For single-phase fixed main indoor and outdoor load centers, two-tier and three-tier ratings are printed on the same label. This label is located on the left side wall (See Figure 3). The information contained on the series rating label for single-phase fixed main load centers is depicted in Figure 5.

**Figure 3: Convertible Main Load Centers Label Locations**

**Three-tier series rating label is applied to the dead front trim of current production convertible main QO and Homeline outdoor load centers.**



**Three-tier series rating label is applied to the backside of current production convertible main QO and Homeline covers for indoor load centers.**



**Two-tier / three-tier series rating label is applied to left side wall of current production single-phase fixed main QO and Homeline indoor and outdoor load centers.**

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## Figure 4: Three-Tier Series Ratings Label Applied to Convertible Main QO and Homeline Load Centers

**SERIES COMBINATION SHORT CIRCUIT CURRENT RATING / VALORES NOMINALES DE LA CORRIENTE DE CORTOCIRCUITO EN SERIE**

| Interrupting Rating RMS Symmetrical Amperes at___ V~ Max. / Valor nominal de interrupción A simétricos rcm a___ V~ máx. | Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Max. A rating / Valor nominal máx. en A) • | Poles / Polos | SQUARE D Tenant Circuit Breaker (Integral or Remote) / Interruptor Automático del Usuario de SQUARE D (Integral o Remoto) | | Integral Main Breaker / Interruptor Automático Principal Integral | QO Load Center / Centro de Carga QO | | | | HOMELINE Load Center / Centro de Carga HOMELINE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Catalog Designation (Max. A rating) / Designación de Catálogo (A Máx.) • | Poles / Polos | | SQUARE D Circuit Breaker Catalog Designation / Designación de Catálogo de Interruptor Automático de SQUARE D • | | | | | | |
| | | | | | | Branch Breaker / Interruptor Automático Derivado | Max. A Rating / Nominal A Máx. | | | Branch Breaker / Interruptor Automatico Derivado | Max. A Rating / Nominal A Máx. | |
| | | | | | | | 1 Pole / 1 Polo | 2 Poles / 2 Polos | 3 Poles / 3 Polos | | 1 Pole / 1 Polo | 2 Poles / 2 Polos |
| 42,000 at 240 | LA, MA | 2, 3 | QO-VH (125) | 2 | QOM1-VH or NONE | QO ¥ QOT | 70 20 | 100 | | HOM § HOMT | 50 30 | 100 50 |
| 65,000 at 240 | LH, MG, MJ, MH, PG, PJ, PA (1600), RG (2000), RJ (2000) | 2, 3 | QO-VH (125) or QOH | 2 | | | | | | | | |
| 100,000 at 240 | MHF, Class R, J, T6, T3, L (1200) | 2, 3 | | | | | | | | | | |
| 42,000 at 240 | LA, MA | 2, 3 | QD (225) or QG (225) | 2 | QOM2-VH or NONE | QO ¥ QOT | 70 20 | 200 ‡ | | HOM § HOMT | 50 30 | 200 ‡ 50 |
| 65,000 at 240 | LH, MG, MH, PG, PA (1600), RG (2000) | 2, 3 | | | | | | | | | | |
| 100,000 at 240, 2 pole<br>65,000 at 240, 3 pole<br>100,000 at 208Y/120, 3 pole | MJ, MHF, PJ, PH (1600),<br>RJ (2000),<br>Class R, J, T3, T6, L (1200) | 2, 3 | | 3 | | QO ¥<br>QO-VH<br>QO-H | 70 | 125<br><br>100 | 30<br>100 | | | |

• See circuit breaker for voltage and interrupting rating. / Consulte los datos del interruptor automático para obtener los valores nominales de tensión e interrupción.

See box label for additional short circuit current ratings and restrictions. / Consulte la etiqueta de la caja para obtener información adicional sobre la corriente nominal de cortocircuito y restricciones.

‡ 100 A Max. in load centers with 125 A Max. mains rating. / 100 A máx. para centros de carga con valor nominal en la linea principal de 125 A máx .

¥ QO includes suffixes AFI, EPD, EPE, GFI & PL / QO incluye los sufijos AFI, EPD, EPE, GFI y PL

§ HOM includes suffixes AFI, BB, EPD & GFI / HOM incluye los sufijos AFI, BB, EPD y GFI

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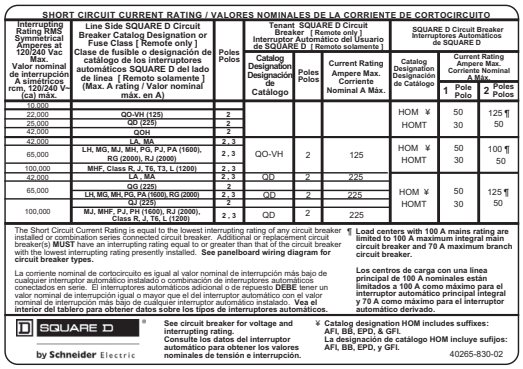
HRB84252

## Figure 5: Two- and Three-Tier Series Rating Label Applied to Fixed Main Homeline Load Centers



**SHORT CIRCUIT CURRENT RATING / VALORES NOMINALES DE LA CORRIENTE DE CORTOCIRCUITO**

| Interrupting Rating RMS Symmetrical Amperes at 120/240 Vac Max. Valor Nominal de interrupción A simétricos rcm, 120/240 V~ (ca) máx. | Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class [ Remote only ] Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea [ Remoto solamente ] (Max. A rating / Valor nominal máx. en A) | Poles Polos | Tenant SQUARE D Circuit Breaker [ Remote only ] Interruptor Automático del Usuario de SQUARE D [ Remoto solamente ] | | | SQUARE D Circuit Breaker Interruptores Automáticos de SQUARE D | | |
|---|---|---|---|---|---|---|---|---|
| | | | Catalog Designation Designación de Catálogo | Poles Polos | Current Rating Ampere Max. Corriente Nominal A Máx. | Catalog Designation Designación de Catálogo | Current Rating Ampere Max. Corriente Nominal A Máx. 1 Pole Polo | 2 Poles Polos |
| 10,000 | | | | | | | | |
| 22,000 | QO-VH (125) | 2 | | | | HOM ¥ HOMT | 50 30 | 125 ¶ 50 |
| 25,000 | QD (225) | 2 | | | | | | |
| 42,000 | QOH | 2 | | | | | | |
| 42,000 | LA, MA | 2, 3 | QO-VH | 2 | 125 | HOM ¥ HOMT | 50 30 | 100 ¶ 50 |
| 65,000 | LH, MG, MJ, MH, PG, PJ, PA (1600), RG (2000), RJ (2000) | 2, 3 | | | | | | |
| 100,000 | MHF, Class R, J, T6, T3, L (1200) | 2, 3 | | | | | | |
| 42,000 | LA, MA | 2, 3 | QD | 2 | 225 | HOM ¥ HOMT | 50 30 | 125 ¶ 50 |
| 65,000 | QG (225) | 2 | | | | | | |
| | LH, MG, MH, PG, PA (1600), RG (2000) | 2, 3 | QD | 2 | 225 | | | |
| 100,000 | QJ (225) | 2 | | | | | | |
| | MJ, MHF, PJ, PH (1600), RJ (2000), Class R, J, T6, L (1200) | 2, 3 | QD | 2 | 225 | | | |

The Short Circuit Current Rating is equal to the lowest interrupting rating of any circuit breaker installed or combination series connected circuit breaker. Additional or replacement circuit breaker(s) **MUST** have an interrupting rating equal to or greater than that of the circuit breaker with the lowest interrupting rating presently installed. **See panelboard wiring diagram for circuit breaker types.**

La corriente nominal de cortocircuito es igual al valor nominal de interrupción más bajo de cualquier interruptor automático instalado o combinación de interruptores automáticos conectados en serie. El interruptores automáticos adicional o de repuesto **DEBE** tener un valor nominal de interrupción igual o mayor que el del interruptor automático con el valor nominal de interrupción más bajo de cualquier interruptor automático instalado. **Vea el interior del tablero para obtener datos sobre los tipos de interruptores automáticos.**

¶ **Load centers with 100 A mains rating are limited to 100 A maximum integral main circuit breaker and 70 A maximum branch circuit breaker.**

**Los centros de carga con una linea principal de 100 A nominales están limitados a 100 A como máximo para el interruptor automático principal integral y 70 A como máximo para el interruptor automático derivado.**

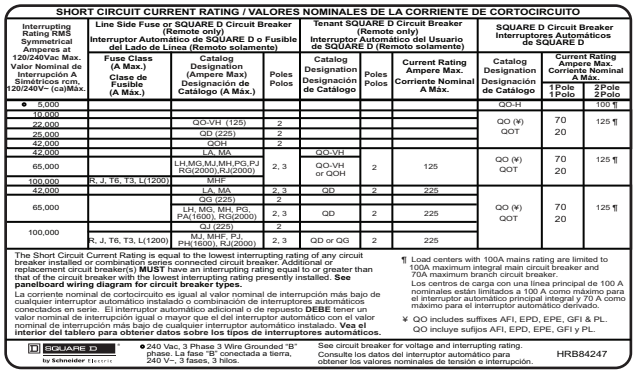
¥ **Catalog designation HOM includes suffixes: AFI, BB, EPD, & GFI.**
**La designación de catálogo HOM incluye sufijos: AFI, BB, EPD, y GFI.**

SQUARE D by Schneider Electric

**See circuit breaker for voltage and interrupting rating.**
**Consulte los datos del interruptor automático para obtener los valores nominales de tensión e interrupción.**

40265-830-02

**Applied to Fixed Main Homeline Load Centers**



**SHORT CIRCUIT CURRENT RATING / VALORES NOMINALES DE LA CORRIENTE DE CORTOCIRCUITO**

| Interrupting Rating RMS Symmetrical Amperes at 120/240Vac Max. Valor Nominal de Interrupción A Simétricos rcm, 120/240V~ (ca)Máx. | Line Side Fuse or SQUARE D Circuit Breaker (Remote only) Interruptor Automático de SQUARE D o Fusible del Lado de Línea (Remoto solamente) | | | Tenant SQUARE D Circuit Breaker (Remote only) Interruptor Automático del Usuario de SQUARE D (Remoto solamente) | | SQUARE D Circuit Breaker Interruptores Automáticos de SQUARE D | | |
|---|---|---|---|---|---|---|---|---|
| | Fuse Class (A Max.) Clase de Fusible (A Máx.) | Catalog Designation (Ampere Max) Designación de Catálogo (A Máx.) | Poles Polos | Catalog Designation Designación de Catálogo | Poles Polos | Current Rating Ampere Max. Corriente Nominal A Máx. | Catalog Designation Designación de Catálogo | Current Rating Ampere Max. Corriente Nominal A Máx. 1Pole 1Polo | 2Pole 2Polo |
| • 5,000 | | | | | | | QO-H | 100 ¶ | |
| 10,000 | | | | | | | QO (¥) QOT | 70 20 | 125 ¶ |
| 22,000 | | QO-VH (125) | 2 | | | | | | |
| 25,000 | | QD (225) | 2 | | | | | | |
| 42,000 | | QOH | 2 | | | | | | |
| 42,000 | | LA, MA | 2, 3 | QO-VH | | | | | |
| 65,000 | | LH,MG,MJ,MH,PG,PJ RG(2000),RJ(2000) | 2, 3 | QO-VH or QOH | 2 | 125 | QO (¥) QOT | 70 20 | 125 ¶ |
| 100,000 | R, J, T6, T3, L(1200) | MHF | | | | | | | |
| 42,000 | | LA, MA | 2, 3 | QD | 2 | 225 | QO (¥) QOT | 70 20 | 125 ¶ |
| 65,000 | | QG (225) | 2 | | | | | | |
| | | LH, MG, MH, PG, PA(1600), RG(2000) | 2, 3 | QD | 2 | 225 | | | |
| 100,000 | | QJ (225) | 2 | | | | | | |
| | R, J, T6, T3, L(1200) | MJ, MHF, PJ, PH(1600), RJ(2000) | 2, 3 | QD or QG | 2 | 225 | | | |

The Short Circuit Current Rating is equal to the lowest interrupting rating of any circuit breaker installed or combination series connected circuit breaker. Additional or replacement circuit breaker(s) **MUST** have an interrupting rating equal to or greater than that of the circuit breaker with the lowest interrupting rating presently installed. **See panelboard wiring diagram for circuit breaker types.**

La corriente nominal de cortocircuito es igual al valor nominal de interrupción más bajo de cualquier interruptor automático instalado o combinación de interruptores automáticos conectados en serie. El interruptor automático adicional o de repuesto **DEBE** tener un valor nominal de interrupción igual o mayor que el del interruptor automático con el valor nominal de interrupción más bajo de cualquier interruptor automático instalado. **Vea el interior del tablero para obtener datos sobre los tipos de interruptores automáticos.**

¶ Load centers with 100A mains rating are limited to 100A maximum integral main circuit breaker and 70A maximum branch circuit breaker.
Los centros de carga con una línea principal de 100 A nominales están limitados a 100 A como máximo para el interruptor automático principal integral y 70 A como máximo para el interruptor automático derivado.

¥ QO includes suffixes AFI, EPD, EPE, GFI & PL.
QO incluye sufijos AFI, EPD, EPE, GFI y PL.

SQUARE D by Schneider Electric

• 240 Vac, 3 Phase 3 Wire Grounded "B" phase. La fase "B" conectada a tierra, 240 V~, 3 fases, 3 hilos.

See circuit breaker for voltage and interrupting rating.
Consulte los datos del interruptor automático para obtener los valores nominales de tensión e interrupción.

HRB84247

**Applied to Single-Phase Fixed Main QO Load Centers**

# How to Read the Three-Tier Series Rating Label

Read the label from left to right. Select the appropriate short circuit current rating and then read across the row to select main disconnect, tenant circuit breaker and load center circuit breakers. See example below in Figure 6.

## Figure 6: Selecting Short Circuit Current Rating

**SERIES COMBINATION SHORT CIRCUIT CURRENT RATING / VALORES NOMINALES DE LA CORRIENTE DE CORTOCIRCUITO EN SERIE**

| Interrupting Rating RMS Symmetrical Amperes at___ V~ Max. / Valor nominal de interrupción A simétricos rcm a___ V~ máx. | Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Max. A rating / Valor nominal máx. en A) • | Poles / Polos | SQUARE D Tenant Circuit Breaker (Integral or Remote) / Interruptor Automático del Usuario de SQUARE D (Integral o Remoto) | | Integral Main Breaker / Interruptor Automático Principal Integral | QO Load Center / Centro de Carga QO | | | | HOMELINE Load Center / Centro de Carga HOMELINE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Catalog Designation (Max. A rating) / Designación de Catálogo (A Máx.) • | Poles / Polos | | SQUARE D Circuit Breaker Catalog Designation / Designación de Catálogo de Interruptor Automático de SQUARE D • | | | | | | |
| | | | | | | Branch Breaker / Interruptor Automático Derivado | Max. A Rating / Nominal A Máx. | | | Branch Breaker / Interruptor Automatico Derivado | Max. A Rating / Nominal A Máx. | |
| | | | | | | | 1 Pole / 1 Polo | 2 Poles / 2 Polos | 3 Poles / 3 Polos | | 1 Pole / 1 Polo | 2 Poles / 2 Polos |
| 42,000 at 240 | LA, MA | 2, 3 | QO-VH (125) | 2 | QOM1-VH or NONE | QO ¥ QOT | 70 20 | 100 | | HOM § HOMT | 50 30 | 100 50 |
| 65,000 at 240 | LH, MG, MJ, MH, PG, PJ, PA (1600), RG (2000), RJ (2000) | 2, 3 | QO-VH (125) or QOH | 2 | | | | | | | | |
| 100,000 at 240 | MHF, Class R, J, T6, T3, L (1200) | 2, 3 | | | | | | | | | | |
| 42,000 at 240 | LA, MA | 2, 3 | QD (225) or QG (225) | 2 | QOM2-VH or NONE | QO ¥ QOT | 70 20 | 200 ‡ | | HOM § HOMT | 50 30 | 200 ‡ 50 |
| 65,000 at 240 | LH, MG, MH, PG, PA (1600), RG (2000) | 2, 3 | | | | | | | | | | |
| 100,000 at 240, 2 pole<br>65,000 at 240, 3 pole<br>100,000 at 208Y/120, 3 pole | MJ, MHF, PJ, PH (1600),<br>RJ (2000),<br>Class R, J, T3, T6, L (1200) | 2, 3 | | 3 | | QO ¥<br>QO-VH<br>QO-H | 70 | 125<br><br>100 | 30<br>100 | | | |

• See circuit breaker for voltage and interrupting rating. / Consulte los datos del interruptor automático para obtener los valores nominales de tensión e interrupción.

See box label for additional short circuit current ratings and restrictions. / Consulte la etiqueta de la caja para obtener información adicional sobre la corriente nominal de cortocircuito y restricciones.

‡ 100 A Max. in load centers with 125 A Max. mains rating. / 100 A máx. para centros de carga con valor nominal en la linea principal de 125 A máx .

¥ QO includes suffixes AFI, EPD, EPE, GFI & PL / QO incluye los sufijos AFI, EPD, EPE, GFI y PL

§ HOM includes suffixes AFI, BB, EPD & GFI / HOM incluye los sufijos AFI, BB, EPD y GFI

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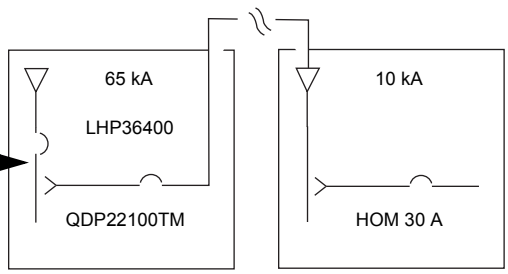
HRB84252

The highlighted portion in the label above depicts the system shown to the right.




EZM Main Breaker Device
(EZM3400CB) Feeding
EZM Branch Device
(EZM312225)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The same series rating information is supplied on all convertible main QO™ and Homeline™ load centers covers. The figures below explain which portions of the label apply to the different types of end use equipment.

**SERIES COMBINATION SHORT CIRCUIT CURRENT RATING / VALORES NOMINALES DE LA CORRIENTE DE CORTOCIRCUITO EN SERIE**

| Interrupting Rating RMS Symmetrical Amperes at___ V~ Max. / Valor nominal de interrupción A simétricos rcm a___ V~ máx. | Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Max. A rating / Valor nominal máx. en A) • | Poles / Polos | SQUARE D Tenant Circuit Breaker (Integral or Remote) / Interruptor Automático del Usuario de SQUARE D (Integral o Remoto) | | Integral Main Breaker / Interruptor Automático Principal Integral | QO Load Center / Centro de Carga QO | | | | HOMELINE Load Center / Centro de Carga HOMELINE • | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Catalog Designation (Max. A rating) / Designación de Catálogo (A Máx.) • | Poles / Polos | | SQUARE D Circuit Breaker Catalog Designation / Designación de Catálogo de Interruptor Automático de SQUARE D | | | | | | |
| | | | | | | Branch Breaker / Interruptor Automático Derivado | Max. A Rating / Nominal A Máx. | | | Branch Breaker / Interruptor Automatico Derivado | Max. A Rating / Nominal A Máx. | |
| | | | | | | | 1 Pole / 1 Polo | 2 Poles / 2 Polos | 3 Poles / 3 Polos | | 1 Pole / 1 Polo | 2 Poles / 2 Polos |
| 42,000 at 240 | LA, MA | 2, 3 | QO-VH (125) | 2 | QOM1-VH or NONE | QO ¥ QOT | 70 20 | 100 | | HOM § HOMT | 50 30 | 100 50 |
| 65,000 at 240 | LH, MG, MJ, MH, PG, PJ, PA (1600), RG (2000), RJ (2000) | 2, 3 | QO-VH (125) or QOH | 2 | | | | | | | | |
| 100,000 at 240 | MHF, Class R, J, T6, T3, L (1200) | 2, 3 | | | | | | | | | | |
| 42,000 at 240 | LA, MA | 2, 3 | QD (225) or QG (225) | 2 | QOM2-VH or NONE | QO ¥ QOT | 70 20 | 200 ‡ | | HOM § HOMT | 50 30 | 200 ‡ 50 |
| 65,000 at 240 | LH, MG, MH, PG, PA (1600), RG (2000) | 2, 3 | | | | | | | | | | |
| 100,000 at 240, 2 pole 65,000 at 240, 3 pole 100,000 at 208Y/120, 3 pole | MJ, MHF, PJ, PH (1600), RJ (2000), Class R, J, T3, T6, L (1200) | 2, 3 | | 3 | | QO ¥ QO-VH QO-H | 70 | 125 100 | 30 100 | | | |

• See circuit breaker for voltage and interrupting rating. / Consulte los datos del interruptor automático para obtener los valores nominales de tensión e interrupción.

See box label for additional short circuit current ratings and restrictions. / Consulte la etiqueta de la caja para obtener información adicional sobre la corriente nominal de cortocircuito y restricciones.

‡ 100 A Max. in load centers with 125 A Max. mains rating. / 100 A máx. para centros de carga con valor nominal en la linea principal de 125 A máx .

¥ QO includes suffixes AFI, EPD, EPE, GFI & PL / QO incluye los sufijos AFI, EPD, EPE, GFI y PL

§ HOM includes suffixes AFI, BB, EPD & GFI / HOM incluye los sufijos AFI, BB, EPD y GFI

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HRB84252

**For Three-Phase QO Load Centers**

**SERIES COMBINATION SHORT CIRCUIT CURRENT RATING / VALORES NOMINALES DE LA CORRIENTE DE CORTOCIRCUITO EN SERIE**

| Interrupting Rating RMS Symmetrical Amperes at___ V~ Max. / Valor nominal de interrupción A simétricos rcm a___ V~ máx. | Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Max. A rating / Valor nominal máx. en A) • | Poles / Polos | SQUARE D Tenant Circuit Breaker (Integral or Remote) / Interruptor Automático del Usuario de SQUARE D (Integral o Remoto) | | Integral Main Breaker / Interruptor Automático Principal Integral | QO Load Center / Centro de Carga QO | | | | HOMELINE Load Center / Centro de Carga HOMELINE • | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Catalog Designation (Max. A rating) / Designación de Catálogo (A Máx.) • | Poles / Polos | | SQUARE D Circuit Breaker Catalog Designation / Designación de Catálogo de Interruptor Automático de SQUARE D | | | | | | |
| | | | | | | Branch Breaker / Interruptor Automático Derivado | Max. A Rating / Nominal A Máx. | | | Branch Breaker / Interruptor Automatico Derivado | Max. A Rating / Nominal A Máx. | |
| | | | | | | | 1 Pole / 1 Polo | 2 Poles / 2 Polos | 3 Poles / 3 Polos | | 1 Pole / 1 Polo | 2 Poles / 2 Polos |
| 42,000 at 240 | LA, MA | 2, 3 | QO-VH (125) | 2 | QOM1-VH or NONE | QO ¥ QOT | 70 20 | 100 | | HOM § HOMT | 50 30 | 100 50 |
| 65,000 at 240 | LH, MG, MJ, MH, PG, PJ, PA (1600), RG (2000), RJ (2000) | 2, 3 | QO-VH (125) or QOH | 2 | | | | | | | | |
| 100,000 at 240 | MHF, Class R, J, T6, T3, L (1200) | 2, 3 | | | | | | | | | | |
| 42,000 at 240 | LA, MA | 2, 3 | QD (225) or QG (225) | 2 | QOM2-VH or NONE | QO ¥ QOT | 70 20 | 200 ‡ | | HOM § HOMT | 50 30 | 200 ‡ 50 |
| 65,000 at 240 | LH, MG, MH, PG, PA (1600), RG (2000) | 2, 3 | | | | | | | | | | |
| 100,000 at 240, 2 pole 65,000 at 240, 3 pole 100,000 at 208Y/120, 3 pole | MJ, MHF, PJ, PH (1600), RJ (2000), Class R, J, T3, T6, L (1200) | 2, 3 | | 3 | | QO ¥ QO-VH QO-H | 70 | 125 100 | 30 100 | | | |

• See circuit breaker for voltage and interrupting rating. / Consulte los datos del interruptor automático para obtener los valores nominales de tensión e interrupción.

See box label for additional short circuit current ratings and restrictions. / Consulte la etiqueta de la caja para obtener información adicional sobre la corriente nominal de cortocircuito y restricciones.

‡ 100 A Max. in load centers with 125 A Max. mains rating. / 100 A máx. para centros de carga con valor nominal en la linea principal de 125 A máx .

¥ QO includes suffixes AFI, EPD, EPE, GFI & PL / QO incluye los sufijos AFI, EPD, EPE, GFI y PL

§ HOM includes suffixes AFI, BB, EPD & GFI / HOM incluye los sufijos AFI, BB, EPD y GFI

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HRB84252

**For Single-Phase Convertible Main QO Load Centers Protected with QD or QG Tenant Circuit Breakers**

**SERIES COMBINATION SHORT CIRCUIT CURRENT RATING / VALORES NOMINALES DE LA CORRIENTE DE CORTOCIRCUITO EN SERIE**

| Interrupting Rating RMS Symmetrical Amperes at___ V~ Max. / Valor nominal de interrupción A simétricos rcm a___ V~ máx. | Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Max. A rating / Valor nominal máx. en A) • | Poles / Polos | SQUARE D Tenant Circuit Breaker (Integral or Remote) / Interruptor Automático del Usuario de SQUARE D (Integral o Remoto) | | Integral Main Breaker / Interruptor Automático Principal Integral | QO Load Center / Centro de Carga QO | | | | HOMELINE Load Center / Centro de Carga HOMELINE • | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Catalog Designation (Max. A rating) / Designación de Catálogo (A Máx.) • | Poles / Polos | | SQUARE D Circuit Breaker Catalog Designation / Designación de Catálogo de Interruptor Automático de SQUARE D | | | | | | |
| | | | | | | Branch Breaker / Interruptor Automático Derivado | Max. A Rating / Nominal A Máx. | | | Branch Breaker / Interruptor Automatico Derivado | Max. A Rating / Nominal A Máx. | |
| | | | | | | | 1 Pole / 1 Polo | 2 Poles / 2 Polos | 3 Poles / 3 Polos | | 1 Pole / 1 Polo | 2 Poles / 2 Polos |
| 42,000 at 240 | LA, MA | 2, 3 | QO-VH (125) | 2 | QOM1-VH or NONE | QO ¥ QOT | 70 20 | 100 | | HOM § HOMT | 50 30 | 100 50 |
| 65,000 at 240 | LH, MG, MJ, MH, PG, PJ, PA (1600), RG (2000), RJ (2000) | 2, 3 | QO-VH (125) or QOH | 2 | | | | | | | | |
| 100,000 at 240 | MHF, Class R, J, T6, T3, L (1200) | 2, 3 | | | | | | | | | | |
| 42,000 at 240 | LA, MA | 2, 3 | QD (225) or QG (225) | 2 | QOM2-VH or NONE | QO ¥ QOT | 70 20 | 200 ‡ | | HOM § HOMT | 50 30 | 200 ‡ 50 |
| 65,000 at 240 | LH, MG, MH, PG, PA (1600), RG (2000) | 2, 3 | | | | | | | | | | |
| 100,000 at 240, 2 pole 65,000 at 240, 3 pole 100,000 at 208Y/120, 3 pole | MJ, MHF, PJ, PH (1600), RJ (2000), Class R, J, T3, T6, L (1200) | 2, 3 | | 3 | | QO ¥ QO-VH QO-H | 70 | 125 100 | 30 100 | | | |

• See circuit breaker for voltage and interrupting rating. / Consulte los datos del interruptor automático para obtener los valores nominales de tensión e interrupción.

See box label for additional short circuit current ratings and restrictions. / Consulte la etiqueta de la caja para obtener información adicional sobre la corriente nominal de cortocircuito y restricciones.

‡ 100 A Max. in load centers with 125 A Max. mains rating. / 100 A máx. para centros de carga con valor nominal en la linea principal de 125 A máx .

¥ QO includes suffixes AFI, EPD, EPE, GFI & PL / QO incluye los sufijos AFI, EPD, EPE, GFI y PL

§ HOM includes suffixes AFI, BB, EPD & GFI / HOM incluye los sufijos AFI, BB, EPD y GFI

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HRB84252

**For Homeline Convertible Main Load Centers Protected with QO-VH Tenant Circuit Breaker**

**SERIES COMBINATION SHORT CIRCUIT CURRENT RATING / VALORES NOMINALES DE LA CORRIENTE DE CORTOCIRCUITO EN SERIE**

| Interrupting Rating RMS Symmetrical Amperes at___ V~ Max. / Valor nominal de interrupción A simétricos rcm a___ V~ máx. | Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Max. A rating / Valor nominal máx. en A) • | Poles / Polos | SQUARE D Tenant Circuit Breaker (Integral or Remote) / Interruptor Automático del Usuario de SQUARE D (Integral o Remoto) | | Integral Main Breaker / Interruptor Automático Principal Integral | QO Load Center / Centro de Carga QO | | | | HOMELINE Load Center / Centro de Carga HOMELINE • | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Catalog Designation (Max. A rating) / Designación de Catálogo (A Máx.) • | Poles / Polos | | SQUARE D Circuit Breaker Catalog Designation / Designación de Catálogo de Interruptor Automático de SQUARE D | | | | | | |
| | | | | | | Branch Breaker / Interruptor Automático Derivado | Max. A Rating / Nominal A Máx. | | | Branch Breaker / Interruptor Automatico Derivado | Max. A Rating / Nominal A Máx. | |
| | | | | | | | 1 Pole / 1 Polo | 2 Poles / 2 Polos | 3 Poles / 3 Polos | | 1 Pole / 1 Polo | 2 Poles / 2 Polos |
| 42,000 at 240 | LA, MA | 2, 3 | QO-VH (125) | 2 | QOM1-VH or NONE | QO ¥ QOT | 70 20 | 100 | | HOM § HOMT | 50 30 | 100 50 |
| 65,000 at 240 | LH, MG, MJ, MH, PG, PJ, PA (1600), RG (2000), RJ (2000) | 2, 3 | QO-VH (125) or QOH | 2 | | | | | | | | |
| 100,000 at 240 | MHF, Class R, J, T6, T3, L (1200) | 2, 3 | | | | | | | | | | |
| 42,000 at 240 | LA, MA | 2, 3 | QD (225) or QG (225) | 2 | QOM2-VH or NONE | QO ¥ QOT | 70 20 | 200 ‡ | | HOM § HOMT | 50 30 | 200 ‡ 50 |
| 65,000 at 240 | LH, MG, MH, PG, PA (1600), RG (2000) | 2, 3 | | | | | | | | | | |
| 100,000 at 240, 2 pole 65,000 at 240, 3 pole 100,000 at 208Y/120, 3 pole | MJ, MHF, PJ, PH (1600), RJ (2000), Class R, J, T3, T6, L (1200) | 2, 3 | | 3 | | QO ¥ QO-VH QO-H | 70 | 125 100 | 30 100 | | | |

• See circuit breaker for voltage and interrupting rating. / Consulte los datos del interruptor automático para obtener los valores nominales de tensión e interrupción.

See box label for additional short circuit current ratings and restrictions. / Consulte la etiqueta de la caja para obtener información adicional sobre la corriente nominal de cortocircuito y restricciones.

‡ 100 A Max. in load centers with 125 A Max. mains rating. / 100 A máx. para centros de carga con valor nominal en la linea principal de 125 A máx .

¥ QO includes suffixes AFI, EPD, EPE, GFI & PL / QO incluye los sufijos AFI, EPD, EPE, GFI y PL

§ HOM includes suffixes AFI, BB, EPD & GFI / HOM incluye los sufijos AFI, BB, EPD y GFI

SQUARE D by Schneider Electric

HRB84252

**For Homeline Convertible Main Load Centers Protected with Two-Pole QD or QG Tenant Circuit Breakers**

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# How to Read the Series Rating Label for RB devices

## ⚠ DANGER

**HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH**

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.
- This equipment must be installed and serviced only by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors, and covers before turning on power to this equipment.

**Failure to follow these instructions will result in death or serious injury.**

## ⚠ PELIGRO

**PELIGRO DE DESCARGA ELÉCTRICA, EXPLOSIÓN O DESTELLO POR ARQUEO**

- Utilice equipo de protección personal (EPP) apropiado y siga las prácticas de seguridad eléctrica establecidas por su Compañía (consulte la norma NFPA 70E).
- Solamente el personal eléctrico especializado deberá instalar y prestar servicio de mantenimiento a este equipo.
- Desenergice el equipo antes de realizar cualquier trabajo en él.
- Siempre utilice un dispositivo detector de tensión nominal adecuado para confirmar la desenergización del equipo.
- Vuelva a colocar todos los dispositivos, las puertas y las cubiertas antes de volver a energizar el equipo.

**El incumplimiento de estas instrucciones podrá causar la muerte o lesiones serias.**

## ⚠ WARNING

This equipment is designed and tested by Square D to performance levels which exceed Underwriters Laboratories Standards. Use of Other than Square D Circuit Breakers May Adversely Affect User Safety and Impair Reliability. Square D disclaims all liability for damage, injury or non-performance caused by use or failure of non-Square D circuit breakers.

## ⚠ ADVERTENCIA

Este equipo ha sido diseñado y probado por Square D y supera las normas de nivel de rendimiento establecidas por Underwriters Laboratories (UL). El uso de interruptores automáticos que no sean de Square D pueden afectar negativamente la seguridad del usuario y deteriorar la confiabilidad del equipo. Square D no asume responsabilidad alguna por daños, lesiones o funcionamiento inadecuado del equipo causado por el uso o desperfectos de interruptores automáticos que no sean de Square D.

**HOMELINE-SHORT CIRCUIT CURRENT RATING / Corriente nominal de cortocircuito- HOMELINE**

| Interrupting Rating RMS Symmetrical Amperes at 240Vac Max. / Valor nominal de interrupción A simétricos rcm a 240V~ máx. | • Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Max. A rating/ Valor nominal máx. en A) | Poles Polos | Tenant SQUARE D Circuit Breaker (Integral or Remote) Interruptor Automático del Usuario de SQUARE D (Integral o Remoto) | | Main Breaker / Interruptor Automático Principal | SQUARE D Branch Circuit Breaker Interruptor Automático Derivado de SQUARE D | | |
|---|---|---|---|---|---|---|---|---|
| | | | • Catalog Designation (Ampere Max.) Designación de Catálogo (A Máx.) | Poles Polos | | • Catalog Designation Designación de Catálogo | Current Rating Ampere Max. Corriente Nominal A Máx. 1 Pole 1 Polo | 2 Pole 2 Polo |
| 42,000 | LA, MA | 2, 3 | QO-VH (125) | 2 | QOM1-VH or None | HOM (§) HOMT | 50 30 | 100 50 |
| 65,000 | LH, MG, MH, MJ, PG, PJ, PA(1600) RG(2000), RJ(2000) | 2, 3 | QO-VH (125) or QOH | 2 | | | | |
| 100,000 | MHF, Class J, R, T6, T3, L (1200) | | | | | | | |
| 42,000 | LA, MA | 2, 3 | QD (225) | 2 | QOM2 - VH or None | HOM (§) HOMT | 50 30 | 200‡ 50 |
| 65,000 | LH, MG, MH, PG, PA (1600), RG (2000) | | | | | | | |
| 100,000 | MJ, MHF, PJ, RJ (2000), Class R, J, T6, T3, L (1200) | 2, 3 | QD (225) or QG (225) | 2 | | | | |

**QO-SHORT CIRCUIT CURRENT RATING / Corriente nominal de cortocircuito- QO**

| Interrupting Rating RMS Symmetrical Amperes at 240Vac Max. / Valor nominal de interrupción A simétricos rcm a 240V~ máx. | • Line Side SQUARE D Circuit Breaker Catalog Designation or Fuse Class / Clase de fusible o designación de catálogo de los interruptores automáticos SQUARE D del lado de línea (Max. A rating/ Valor nominal máx. en A) | Poles Polos | Tenant SQUARE D Circuit Breaker (Integral or Remote) Interruptor Automático del Usuario de SQUARE D (Integral o Remoto) | | Main Breaker / Interruptor Automático Principal | SQUARE D Branch Circuit Breaker Interruptor Automático Derivado de SQUARE D | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | • Catalog Designation (Ampere Max.) Designación de Catálogo (A Máx.) | Poles Polos | | • Catalog Designation Designación de Catálogo | Current Rating Ampere Max. Corriente Nominal A Máx. 1 Pole 1 Polo | 2 Pole 2 Polo | 3 Pole 3 Polo |
| 42,000 | LA, MA | 2, 3 | QO-VH(125) | 2 | QOM1 - VH or None | QO (¥) QOT | 70 20 | 100 | |
| 65,000 | LH, MG, MJ, MH PG, PJ, PA(1600) RG(2000), RJ(2000) | | QO-VH(125) or QOH | | | | | | |
| 100,000 | MHF,Class R, J, T6, T3, L (1200) | 2, 3 | | | | | | | |
| 42,000 | LA, MA | 2, 3 | QD (225) or QG (225) | 2 | QOM2 - VH or None | QO (¥) QOT | 70 20 | 200‡ | |
| 65,000 | LH, MG, MH, PG, PA (1600), RG (2000) | | | | | | | | |
| 100,000 | MJ, MHF, PJ, RJ (2000), Class R, J, T6, T3, L (1200) | 2 | | | | | | | |
| 65,000 100,000 at 208Y/120 | | 3 | | 3 | | QO (¥) QO-VH QO-H | 70 | 125 100 | 30 100 |

- **See circuit breaker for voltage and interrupting rating. / Consulte los datos del interruptor automático para obtener los valores nominales de tensión e interrupción.**

**See box label for additional short circuit current ratings and restrictions. / Consulte la etiqueta de la caja para obtener información adicional sobre la corriente nominal de cortocircuito y restricciones.**

§ HOM includes suffixes AFI, BB, EPD & GFI / HOM incluye los sufijos AFI, BB, EPD y GFI.

¥ QO includes suffixes AFI, EPD, EPE, GFI & PL / QO incluye los sufijos AFI, EPD, EPE, GFI Y PL.

‡ 100 A Max. in load centers with 125 A Max. mains rating / 100 A máx. para centros de carga con valor nominal en la línea principal de 125 A máx.

SQUARE D ®
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HRB84254


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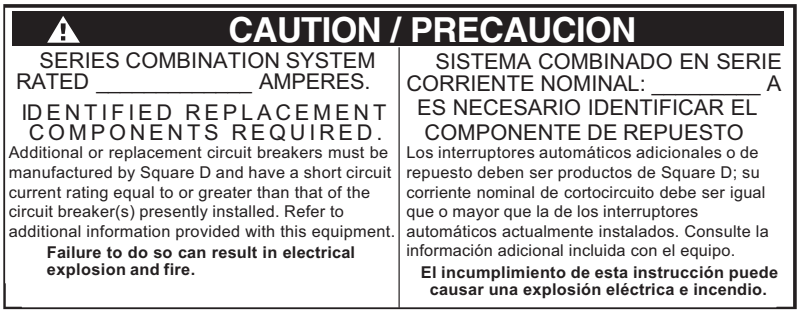
## NEC Requirements

**Two sections of the NEC address markings of series ratings: Section 110.22 and Section 240.86(b).**

Per Section 110.22, the equipment must be legibly marked in the field to indicate the equipment has been applied with a series combination rating. The intent of this section is to alert the installer that the circuit breakers were installed based on a series rating, and to mark the equipment with the short circuit current rating being applied in the series combination.

Schneider Electric provides a label for this purpose with all MP Meter-Pak™ Meter Centers and EZ Meter-Pak™ Meter Center Branch Devices. The label is not applied by Schneider Electric, but is provided loose in these devices for application when series ratings are applied by the installer.

**Figure 7: Example of Label Provided**




Section 240.86(b) requires that the series combination of overcurrent protective devices be tested and marked on the end use equipment. This marking is applied by the manufacturers of switchboards, panelboards, load centers, etc. Schneider Electric marks load center enclosures and covers with series ratings per Figures 1 and 3.

A series rated system is an affordable, viable alternative to a fully rated system. Series ratings can be two-tiered or multi-tiered, depending on the levels of overcurrent protection, tested and certified. Series ratings include circuit breaker/circuit breaker combinations and also fuse/circuit breaker combinations, but the furthest load side overcurrent protective device is always a circuit breaker. Overcurrent protective device combinations used in series rated systems should be marked on the end use equipment by the electrical distribution product manufacturer. Equipment installed as part of a series rated system must be marked in the field to indicate the short circuit current rating being applied in the series combination.

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