

Cross Reference RA Part Number PN-D12701



Product: 140G-R12I3-E30

Description: 140G Molded Case Circuit Breakers & Molded Case Switch



Representative Photo Only
(actual product may vary based
on configuration selections)

Circuit Breaker Data

| | |
|----------------------|------------------------------------|
| Bulletin Number | 140G - Molded Case Circuit Breaker |
| Number of Poles | 3 Poles |
| Frame Size | R frame |
| Rated Current(A) | 3000 A |
| Protection | LSIG (electronic) |
| Manufacturing | |
| Assembly | Factory Assembled |

Molded Case Circuit Breakers

Catalog Number Explanation — 2000...3000 A, R-Frame Stored Energy Operating Mechanism

Complete Circuit Breaker Assemblies — 2000...3000 A, R-Frame

Examples given in this section are not intended to be used for product selection. Use ProposalWorks to configure the molded case circuit breaker. Use these configurations only to select all factory-installed options for shunt trips, undervoltage release units, auxiliary contacts, and alarm contacts. Use the codes from Table h and i to add on to the molded case circuit breaker cat. no. selected on the previous pages to form a complete cat. no. for a complete assembly with factory-installed options.



140G – R 12 I 3 – E25 – Z1 – MD – RD – SB

a b c d e f g h i

| <i>a</i> | <i>d</i> | <i>h</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------|------|-------------|----------|------------------------------------|--|-----------------|--|------|-------------|-----|--|-----|-------------------------------|---|---|---|--------------------------------------|-------------|---|--------------------|------|-------------------------------------|----|-------------------------------------|----|---------------------------------------|----|---------------------------------------|----------------------------------|------------------------------|------|------------------------------|----|--|----|--|----|--|----|--|----------|---|----------|-------------------------------|----------|--------------|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Bulletin No.</th> </tr> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>140G</td> <td>Global Molded Case Circuit Breaker</td> </tr> </tbody> </table> | Bulletin No. | | Code | Description | 140G | Global Molded Case Circuit Breaker | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Protection Type</th> </tr> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>Electronic LSIG -Long, short, instant & ground fault</td> </tr> <tr> <td>S</td> <td>Molded case switch (isolator)</td> </tr> </tbody> </table> | Protection Type | | Code | Description | I | Electronic LSIG -Long, short, instant & ground fault | S | Molded case switch (isolator) | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Remote MCCB Operation ♦</th> </tr> <tr> <th colspan="2">Spring Charge Motor</th> </tr> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>MJ</td> <td>Spring Charge Motor, 24...30V AC/DC</td> </tr> <tr> <td>MK</td> <td>Spring Charge Motor, 48...60V AC/DC</td> </tr> <tr> <td>MD</td> <td>Spring Charge Motor, 110...130V AC/DC</td> </tr> <tr> <td>MA</td> <td>Spring Charge Motor, 220...250V AC/DC</td> </tr> <tr> <th colspan="2">Shunt Trip and Shunt Close Units</th> </tr> <tr> <th>Code</th> <th>Description</th> </tr> <tr> <td>RJ</td> <td>Shunt Trip and Shunt Close, 24V AC/DC</td> </tr> <tr> <td>RK</td> <td>Shunt Trip and Shunt Close, 48V AC/DC</td> </tr> <tr> <td>RD</td> <td>Shunt Trip and Shunt Close, 110...120V AC/DC</td> </tr> <tr> <td>RA</td> <td>Shunt Trip and Shunt Close, 220...240V AC/DC</td> </tr> <tr> <td>RB</td> <td>Shunt Trip and Shunt Close, 380...440V AC</td> </tr> <tr> <td>No Digit</td> <td>No Selection</td> </tr> </tbody> </table> | Remote MCCB Operation ♦ | | Spring Charge Motor | | Code | Description | MJ | Spring Charge Motor, 24...30V AC/DC | MK | Spring Charge Motor, 48...60V AC/DC | MD | Spring Charge Motor, 110...130V AC/DC | MA | Spring Charge Motor, 220...250V AC/DC | Shunt Trip and Shunt Close Units | | Code | Description | RJ | Shunt Trip and Shunt Close, 24V AC/DC | RK | Shunt Trip and Shunt Close, 48V AC/DC | RD | Shunt Trip and Shunt Close, 110...120V AC/DC | RA | Shunt Trip and Shunt Close, 220...240V AC/DC | RB | Shunt Trip and Shunt Close, 380...440V AC | No Digit | No Selection | | |
| Bulletin No. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 140G | Global Molded Case Circuit Breaker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection Type | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I | Electronic LSIG -Long, short, instant & ground fault | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | Molded case switch (isolator) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remote MCCB Operation ♦ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spring Charge Motor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MJ | Spring Charge Motor, 24...30V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MK | Spring Charge Motor, 48...60V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MD | Spring Charge Motor, 110...130V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MA | Spring Charge Motor, 220...250V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shunt Trip and Shunt Close Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RJ | Shunt Trip and Shunt Close, 24V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RK | Shunt Trip and Shunt Close, 48V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RD | Shunt Trip and Shunt Close, 110...120V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RA | Shunt Trip and Shunt Close, 220...240V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RB | Shunt Trip and Shunt Close, 380...440V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Digit | No Selection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Frame/Rating</th> </tr> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>R</td> <td>2500...3000 A</td> </tr> </tbody> </table> | Frame/Rating | | Code | Description | R | 2500...3000 A | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Poles</th> </tr> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>3 poles</td> </tr> <tr> <td>4</td> <td>4 poles</td> </tr> </tbody> </table> | Poles | | Code | Description | 3 | 3 poles | 4 | 4 poles | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Shunt Trip and Undervoltage Release Units</th> </tr> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>SJ</td> <td>Shunt Trip, 24V DC</td> </tr> <tr> <td>SK</td> <td>Shunt Trip, 48V AC/DC</td> </tr> <tr> <td>SD</td> <td>Shunt Trip, 110...120V AC/DC</td> </tr> <tr> <td>SA</td> <td>Shunt Trip, 220...240V AC/DC</td> </tr> <tr> <td>SB</td> <td>Shunt Trip, 380...440V AC</td> </tr> <tr> <td>SC</td> <td>Shunt Trip, 480...525V AC</td> </tr> <tr> <td>UJ</td> <td>Undervoltage Release, 24V DC</td> </tr> <tr> <td>UD</td> <td>Undervoltage Release, 110...120V AC/DC</td> </tr> <tr> <td>UA</td> <td>Undervoltage Release, 220...240V AC/DC</td> </tr> <tr> <td>UB</td> <td>Undervoltage Release, 380...400V AC</td> </tr> <tr> <td>UC</td> <td>Undervoltage Release, 440V AC</td> </tr> <tr> <td>No Digit</td> <td>No Selection</td> </tr> </tbody> </table> | Shunt Trip and Undervoltage Release Units | | Code | Description | SJ | Shunt Trip, 24V DC | SK | Shunt Trip, 48V AC/DC | SD | Shunt Trip, 110...120V AC/DC | SA | Shunt Trip, 220...240V AC/DC | SB | Shunt Trip, 380...440V AC | SC | Shunt Trip, 480...525V AC | UJ | Undervoltage Release, 24V DC | UD | Undervoltage Release, 110...120V AC/DC | UA | Undervoltage Release, 220...240V AC/DC | UB | Undervoltage Release, 380...400V AC | UC | Undervoltage Release, 440V AC | No Digit | No Selection | | | | |
| Frame/Rating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R | 2500...3000 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Poles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 3 poles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 4 poles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shunt Trip and Undervoltage Release Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJ | Shunt Trip, 24V DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SK | Shunt Trip, 48V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SD | Shunt Trip, 110...120V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SA | Shunt Trip, 220...240V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB | Shunt Trip, 380...440V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SC | Shunt Trip, 480...525V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UJ | Undervoltage Release, 24V DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UD | Undervoltage Release, 110...120V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UA | Undervoltage Release, 220...240V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UB | Undervoltage Release, 380...400V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UC | Undervoltage Release, 440V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Digit | No Selection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Interrupting Rating/Breaking Capacity (based on I_c at 480V) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 125 kA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current Range | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E20 | 2000 A rating plug, installed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E25 | 2500 A rating plug, installed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E30 | 3000 A rating plug, installed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Factory-Installed Internal Options ♦ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shunt Trip and Undervoltage Release Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SJ | Shunt Trip, 24V DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SK | Shunt Trip, 48V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SD | Shunt Trip, 110...120V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SA | Shunt Trip, 220...240V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SB | Shunt Trip, 380...440V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SC | Shunt Trip, 480...525V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UJ | Undervoltage Release, 24V DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UD | Undervoltage Release, 110...120V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UA | Undervoltage Release, 220...240V AC/DC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UB | Undervoltage Release, 380...400V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UC | Undervoltage Release, 440V AC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Digit | No Selection | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Rating</th> </tr> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>No Digit</td> <td>80% Rated</td> </tr> <tr> <td>Z1</td> <td>100% Rated</td> </tr> </tbody> </table> | Rating | | Code | Description | No Digit | 80% Rated | Z1 | 100% Rated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rating | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No Digit | 80% Rated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z1 | 100% Rated | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

♦ Select up to four internal options: 3 for left side mounting, 1 for right. Consult your local Rockwell automation sales office or Allen-Bradley distributor for further assistance.

Molded Case Circuit Breakers

Product Selection — 2000...3000 A, R-Frame Stored Energy Operating Mechanism

Assembled Molded Case Circuit Breakers — 2000...3000 A R-Frame

Interrupting Rating/Breaking Capacity — Electronic Circuit Breakers



| Interrupting Rating (50/60 Hz), UL 489/CSA C22.2-5, No. 5-02 [kA] | | | Breaking Capacity (50/60 Hz), IEC 60947-2 | | | | | | | | | | Interrupting Code‡ |
|---|------|------|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------------|
| 240V | 480V | 600V | 220V | | 415V | | 440V | | 500V | | 690V | | |
| | | | I_{cu} [kA] | I_{cs} [kA] | I_{cu} [kA] | I_{cs} [kA] | I_{cu} [kA] | I_{cs} [kA] | I_{cu} [kA] | I_{cs} [kA] | I_{cu} [kA] | I_{cs} [kA] | |
| 125 | 125 | 100 | 130 | 97.5 | 80 | 60 | 80 | 60 | 40 | 40 | 40 | 40 | R12 |

‡ See table below for Cat. No. selection

Electronic LSI (Long, Short, Instantaneous, Ground Fault) - 80% Rated

| Rated Current I_n [A] | Protection Type | | | | | | | Interrupting Code R12 | |
|-------------------------|--------------------------|---------------------------------|-------------------------|--|-------------------------|--------------------------|--------------------|-----------------------|----------------|
| | L | | S | | I | G | | Cat. No. | |
| | $I_1=0.4...1 \times I_n$ | $t_1=sec.$ | $I_2=1...10 \times I_n$ | $t_2=sec.$ | $I_3=1...10 \times I_n$ | $I_4=0.2...1 \times I_n$ | $t_4=sec.$ | 3 Poles | 4 Poles |
| 2000‡ | 800...2000 | 3, 12, 24, 36, 48, 72, 108, 144 | 1200...20000 | 0.1, 0.2, 0.3, 0.4, 0.5, 5.8, 6.6, 7.4, 8.2, 9, 10 | 3000...30000 | 400...2000 | 0.1, 0.2, 0.4, 0.8 | 140G-R12I3-E20 | 140G-R12I4-E20 |
| 2500‡ | 1000...2500 | 3, 12, 24, 36, 48, 72, 108, 144 | 1500...25000 | 0.1, 0.2, 0.3, 0.4, 0.5, 5.8, 6.6, 7.4, 8.2, 9, 10 | 3750...37500 | 500...2500 | 0.1, 0.2, 0.4, 0.8 | 140G-R12I3-E25 | 140G-R12I4-E25 |
| 3000‡ | 1200...3000 | 3, 12, 24, 36, 48, 72, 108, 144 | 1800...30000 | 0.1, 0.2, 0.3, 0.4, 0.5, 5.8, 6.6, 7.4, 8.2, 9, 10 | 4500...45000 | 600...3000 | 0.1, 0.2, 0.4, 0.8 | 140G-R12I3-E30 | 140G-R12I4-E30 |

‡ Listed I_1 , I_2 , I_3 & I_4 values are based on a 2000, 2500 & 3000 A rating plug value, respectively.

Electronic LSI (Long, Short, Instantaneous, Ground Fault) - 100% Rated

| Rated Current I_n [A] | Protection Type | | | | | | | Interrupting Code R12 | |
|-------------------------|--------------------------|---------------------------------|-------------------------|--|-------------------------|--------------------------|--------------------|-----------------------|-------------------|
| | L | | S | | I | G | | Cat. No. | |
| | $I_1=0.4...1 \times I_n$ | $t_1=sec.$ | $I_2=1...10 \times I_n$ | $t_2=sec.$ | $I_3=1...10 \times I_n$ | $I_4=0.2...1 \times I_n$ | $t_4=sec.$ | 3 Poles | 4 Poles |
| 2000§ | 1000...2500 | 3, 12, 24, 36, 48, 72, 108, 144 | 1500...25000 | 0.1, 0.2, 0.3, 0.4, 0.5, 5.8, 6.6, 7.4, 8.2, 9, 10 | 3750...37500 | 500...2500 | 0.1, 0.2, 0.4, 0.8 | 140G-R12I3-E20-Z1 | 140G-R12I4-E20-Z1 |
| 2500§ | 1000...2500 | 3, 12, 24, 36, 48, 72, 108, 144 | 1500...25000 | 0.1, 0.2, 0.3, 0.4, 0.5, 5.8, 6.6, 7.4, 8.2, 9, 10 | 3750...37500 | 500...2500 | 0.1, 0.2, 0.4, 0.8 | 140G-R12I3-E25-Z1 | 140G-R12I4-E25-Z1 |
| 3000§ | 1200...3000 | 3, 12, 24, 36, 48, 72, 108, 144 | 1800...30000 | 0.1, 0.2, 0.3, 0.4, 0.5, 5.8, 6.6, 7.4, 8.2, 9, 10 | 4500...45000 | 600...3000 | 0.1, 0.2, 0.4, 0.8 | 140G-R12I3-E30-Z1 | 140G-R12I4-E30-Z1 |

§ Listed I_1 , I_2 , I_3 & I_4 values are based on a 2000, 2500 & 3000 A rating plug value, respectively.

Molded Case Switch — UL489§

| Rated Current I_n [A] | Magnetic Trip I_m [A] | Cat. No. | |
|-------------------------|-------------------------|----------------|----------------|
| | | 3 Poles | 4 Poles |
| 2500 | 25 000 | 140G-R12S3-E25 | 140G-R12S4-E25 |

§ Does not provide overcurrent protection; may open at 40,000 A.



Rating Plugs

| Rated Current I_n [A] | Cat. No. |
|-------------------------|--------------|
| 1000 | 140G-NRP-E10 |
| 1200 | 140G-NRP-E12 |
| 1600 | 140G-RRP-E16 |
| 2000 | 140G-RRP-E20 |
| 2500 | 140G-RRP-E25 |
| 3000 | 140G-RRP-E30 |

Bulletin 140G
Molded Case Circuit Breakers
 Specifications N-, NS-, and R-Frame



| | | N-, NS-Frame | | | R-Frame |
|---|-----------|---------------------------------|------|------|---|
| Max. Rated Current | [A] | 1200 | | | 2000/2500/3000 |
| Rated insulation voltage, U _i , IEC | [V] | 1000 | | | 1000 |
| NEMA, UL, CSA | | | | | |
| Interrupting Rating Code | | N5 | N6 | N0 | R12 |
| 240V AC, 50/60Hz | [kA] | 65 | 100 | 150 | 125 |
| 480V AC, 50/60Hz | [kA] | 50 | 65 | 100 | 125 |
| 600Y/347V AC, 50/60Hz | [kA] | — | — | — | — |
| 600V AC, 50/60 Hz | [kA] | 25 | 50 | 65 | 100 |
| IEC 60947-2 | | | | | |
| Rated ultimate short-circuit breaking capacity, I _{cu} | | | | | |
| 220/230/240V AC, 50/60Hz | [kA] | 85 | 100 | 200 | 130 |
| 380V AC, 50/60Hz | [kA] | 50 | 70 | 120 | 80 |
| 415V AC, 50/60Hz | [kA] | 50 | 70 | 120 | 80 |
| 440V AC, 50/60Hz | [kA] | 50 | 65 | 100 | 80 |
| 500V AC, 50/60Hz | [kA] | 40 | 50 | 85 | 40 |
| 525V AC, 50/60Hz | [kA] | — | — | — | — |
| 690V AC, 50/60Hz | [kA] | 30 | 42 | 50 | 40 |
| 250V DC, 2 Poles in Series | [kA] | — | — | — | — |
| 500V DC, 2 Poles in Series | [kA] | — | — | — | — |
| 500V DC, 3 Poles in Series | [kA] | — | — | — | — |
| 750V DC, 3 Poles in Series | [kA] | — | — | — | — |
| Rated service short-circuit breaking capacity, I _{cs} | | | | | |
| 220/230/240V AC, 50/60Hz | [kA] | 100% | 100% | 100% | 100% |
| 380V AC, 50/60Hz | [kA] | 100% | 100% | 100% | — |
| 415V AC, 50/60Hz | [kA] | 100% | 100% | 100% | 100% |
| 440V AC, 50/60Hz | [kA] | 100% | 100% | 100% | 100% |
| 500V AC, 50/60Hz | [kA] | 100% | 100% | 75% | 100% |
| 525V AC, 50/60Hz | [kA] | — | — | — | — |
| 690V AC, 50/60Hz | [kA] | 100% | 75% | 75% | 100% |
| 250V DC, 2 Poles in Series | [kA] | — | — | — | — |
| 500V DC, 2 Poles in Series | [kA] | — | — | — | — |
| 500V DC, 3 Poles in Series | [kA] | — | — | — | — |
| 750V DC, 3 Poles in Series | [kA] | — | — | — | — |
| Mechanical Life | [No. Ops] | 10000 | | | 15000 |
| | [Ops/hr] | 60 | | | 60 |
| Electrical Life @ 415V AC | [No. Ops] | 2000 | | | 4500 (2000 A) - 4000 (2500 A) - 3000 (3200 A) |
| | [Ops/hr] | 60 | | | 60 |
| Ambient Temp. w/out derating | °F [°C] | 104 °F [40 °C] | | | 104 °F [40 °C] |
| Storage Temperature | °F [°C] | -40...+176 °F [-40...+80 °C] | | | -40...+176 °F [-40...+80 °C] |
| Dimensions [Width/Depth/Height] | [mm] | 3 poles: 210x154(N)/178(NS)x268 | | | 3 poles: 427x282x382 |
| | [mm] | 4 poles: 280x154(N)/178(NS)x268 | | | 4 poles: 553x282x382 |