

# Migration solution

## 140G/140G2/140MG/140MG2 Migration guide

### Why upgrade or migrate

Electrical systems today demand higher performance, smarter protection and global compatibility. Upgrading your Molded Case Circuit Breaker (MCCB) portfolio can help your infrastructure meet these requirements with advanced short-circuit ratings, intelligent trip units and connectivity features that other breakers cannot provide. Migrating to the latest solutions also simplifies system integration and maintenance.

With adjustable trip settings and SCCR coordination with Rockwell Automation contactors, overload relays and motor starters, you gain improved safety, flexibility and efficiency, all backed by global availability and streamlined purchasing through trusted distribution partners.

### Features and benefits

- New compact 600A L frame
- Sense trip units provide enhanced protection by monitoring current, voltage, power and energy
  - Touch screen or button-based menus allow for easy adjustments
- Expanded trip unit selection includes thermal magnetic, Electronic DIP and Electronic Sense options
- Advanced Electronic Sense Trip Units feature: advance sensors, internal CTs, Power monitoring capabilities, and up to 30 circuit protections (current, voltage, power, and energy)
- Motor protection circuit breakers (MPCB) up to 500A
- Higher interrupting ratings: 25kA-200kA @ 480V
- Convenient factory-installed internal accessory options

#### Catalog number migration explanation

140G-K Frame	→	140G2-K Frame
140MG-K Frame	→	140MG2-K Frame
140G-M Frame(600A)	→	140G2-L Frame
140MG-M Frame(600A)	→	140MG2-L Frame
140G-M Frame(800A)	→	140G2-N Frame
140MG-M Frame(800A)	→	140MG2-N Frame
140G-N Frame	→	140G2-N Frame
140MG-N Frame	→	140MG2-N Frame
140G-NS Frame	→	140G2-NS Frame



**Allen-Bradley**

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## 140G2 MCCBs: 400 A, Frame Size K

**140G2** – **K** **6** **f** **3** – **D40** – \_\_\_\_\_  
 a                      b            c            d            e                      f                      g

a	
Bulletin Number	
Code	Description
140G2	MCCB

b	
Frame Size/Rating	
Code	Description
K	400 A
KC	400 A, Current Limiting

c	
Interrupting Rating/Breaking Capacity (based on $I_c$ at 480V)	
Code	Description
5	50 kA
6	65 kA
0	100 kA
T	Trip unit

d	
Protection Type	
Code	Description
F	Adjust thermal/adjust magnetic
H	DIP long, short, instant (LSI)
I	DIP long, short, instant, ground (LSIG)
L	EnergySense LSIG
M	PowerSense LSIG
S	Molded case switch (isolator)
X	Breaking frame

e	
Number of Poles	
Code	Description
3	3 poles
4	4 poles

f	
Rated Current	
Code	Description
D30	300 A
D40	400 A
Blank	Frame only

g	
Continuous Rated	
Code	Description
Blank	80% rated
Z1	100% rated

Refer to molded case circuit breaker technical data for internal accessories information.



## 140G2 600 A, Frame Size L

<b>140G2</b>	-	<b>L</b>	<b>6</b>	<b>F</b>	<b>3</b>	-	<b>D60</b>	-	
a		b	c	d	e		f		g

a	
Bulletin Number	
Code	Description
140G2	MCCB

b	
Frame Size/Rating	
Code	Description
L	600 A
LC	600 A, Current Limiting

c	
Interrupting Rating/Breaking Capacity (based on $I_c$ at 480V)	
Code	Description
5	50 kA
6	65 kA
0	100 kA
T	Trip unit

d	
Protection Type	
Code	Description
F	Adjust thermal/adjust magnetic
H	DIP long, short, instant (LSI)
I	DIP long, short, instant, ground (LSIG)
L	EnergySense LSIG
M	PowerSense LSIG
S	Molded case switch (isolator)
X	Breaking frame

e	
Number of Poles	
Code	Description
3	3 poles
4	4 poles

f	
Rated Current	
Code	Description
D50	500 A
D60	600 A
Blank	Frame only

g	
Continuous Rated	
Code	Description
Blank	80% rated
Z1	100% rated

Refer to molded case circuit breaker technical data for internal accessories information.

# 140G2 1200 A, Frame Size N

**140G2** – **N** **6** **H** **3** – **E12** –  
 a b c d e f g

a	
Bulletin Number	
Code	Description
140G2	MCCB

b	
Frame Size/Rating	
Code	Description
N	1200 A

c	
Interrupting Rating/Breaking Capacity (based on $I_c$ at 480V)	
Code	Description
5	50 kA
6	65 kA
0	100 kA
T	Trip unit

d	
Protection Type	
Code	Description
H	DIP long, short, instant (LSI)
I	DIP long, short, instant, ground (LSIG)
L	EnergySense LSIG
M	PowerSense LSIG
S	Molded case switch (isolator)

e	
Number of Poles	
Code	Description
3	3 poles
4	4 poles

f	
Rated Current	
Code	Description
E12	1200 A

g	
Continuous Rated	
Code	Description
Blank	80% rated
Z1	100% rated

Refer to molded case circuit breaker technical data for internal accessories information.



## 140G2 1200 A, Frame Size NS

**140G2** – **NS** **6** **H** **3** – **E12** – \_\_\_\_\_  
 a                      b      c      d      e                      f                      g

a	
Bulletin Number	
Code	Description
140G2	MCCB

b	
Frame Size/Rating	
Code	Description
N	1200 A

c	
Interrupting Rating/Breaking Capacity (based on $I_c$ at 480V)	
Code	Description
5	50 kA
6	65 kA
0	100 kA
T	Trip unit

d	
Protection Type	
Code	Description
H	DIP long, short, instant (LSI)
I	DIP long, short, instant, ground (LSIG)
L	EnergySense LSIG
M	PowerSense LSIG

e	
Number of Poles	
Code	Description
3	3 poles
4	4 poles

f	
Rated Current	
Code	Description
E12	1200 A

g	
Continuous Rated	
Code	Description
Blank	80% rated
Z1	100% rated

Refer to molded case circuit breaker technical data for internal accessories information.



## 140MG2 Motor Protection Circuit Breakers (MPCBs): 400 A, Frame Size K and 500 A, Frame Size L

140MG2 – K 8 E – D40  
 a                    b                    c                    d                    e

a	
Bulletin Number	
Code	Description
140MG2	MPCB

b	
Frame Size/Rating	
Code	Description
K	400 A
L	500 A

c	
Interrupting Rating/Breaking Capacity (based on $I_c$ at 480V)	
Code	Description
8	High break

d	
Protection Type	
Code	Description
E	DIP LIU
N	MotorSense LRIU

e	
Number of Poles	
Code	Description
D40	Example: 400 A
D50	Example: 600 A



## 140G2 Molded Case Switch (MCS): Frame Size K, L, N

**140G2**    **-**    **K**    **6**    **S**    **3**    **-**    **D40**  
 a                      b            c            d            e                      f

a		b		c		d	
Bulletin Number		Frame Size/Rating		Withstand ratings		Protection Type	
Code	Description	Code	Description	Code	Description	Code	Description
140G2	MCS	K	400 A	6	65 kA	S	Molded case switch (isolator)
		L	600 A				
		N	1200 A				

e		f	
Number of Poles		Rated Current	
Code	Description	Code	Description
3	3 poles	D (symbol)	Example: D30 = 300 A
4	4 poles	E (symbol)	Example: E12 = 1200 A

[Refer to molded case circuit breaker technical data for internal accessories information.](#)



## 140G2 Molded Case Switch Disconnecter (MCSD): Frame Size K and L

<b>140G2</b>	<b>-</b>	<b>K</b>	<b>X</b>	<b>D</b>	<b>3</b>	<b>-</b>	<b>D40</b>
a		b	c	d	e		f

a	
Bulletin Number	
Code	Description
140G2	MCSD

b	
Frame Size/Rating	
Code	Description
K	400 A
L	630 A

c	
Withstand ratings	
Code	Description
X	No rated breaking capacity

d	
Protection Type	
Code	Description
D	Switch disconnecter (isolator)

e	
Number of Poles	
Code	Description
3	3 poles
4	4 poles

f	
Rated Current	
Code	Description
D (symbol)	Example: D30 = 300 A



## 140MG2 MCPs: 400 A, Frame Size K and 600 A, Frame Sizes L, 1200 A, Frame Size N

<b>140MG2</b>	<b>-</b>	<b>K</b>	<b>8</b>	<b>P</b>	<b>-</b>	<b>D40</b>
a		b	c	d		e

a		b		c	
Bulletin Number		Frame Size/Rating		Interrupting Rating/Breaking Capacity (based on $I_c$ at 480V)	
Code	Description	Code	Description	Code	Description
140MG2	MCP	K	400 A	8	High break
		L	600 A		
		N	1200 A		

d		e	
Protection Type		Rated Current	
Code	Description	Code	Description
P	Adjustable magnetic only (less than 13 x In)	D40	Example: 400 A
		D60	Example: 600 A
		E12	Example: 1200 A

[Refer to molded case circuit breaker technical data for internal accessories information.](#)

To learn more, visit [rok.auto/140G-circuit-breakers](https://rok.auto/140G-circuit-breakers)



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AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000

EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2663 0600

ASIA PACIFIC: Rockwell Automation SEA Pte Ltd, 2 Corporation Road, #04-05, Main Lobby, Corporation Place, Singapore 618494, Tel: (65) 6510 6608

UNITED KINGDOM: Rockwell Automation Ltd., Pitfield, Kiln Farm, Milton Keynes, MK11 3DR, United Kingdom, Tel: (44)(1908) 838-800

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