

# Molded Case Circuit Breakers Product Selection

## 125 A, G-Frame Molded Case Circuit Breakers

### Catalog Number Explanation

#### Complete Circuit Breaker Assemblies with Factory-Installed Options

Examples given in this section are not intended to be used for product selection. Use ProposalWorks™ to configure the molded case circuit breaker. These configurations are for selection of all factory-installed options for shunt trips, undervoltage release units, auxiliary contacts, and alarm contacts. Use the codes from Table g to add on to the molded case circuit breaker catalog number selected on the following pages to form a complete cat. no. with factory-installed options. ProposalWorks is available from <http://www.rockwellautomation.com/global/e-tools/overview.page>. Note: Terminal lugs are not supplied and can be ordered separately. See [page 85](#) for available lugs.



140G  
a
-
G  
b
6  
c
C  
d
4  
e
-
C70  
f
-
SD  
g
-
KA  
g

a	
Bulletin Number	
Code	Description
140G	Global Molded Case Circuit Breaker

b	
Frame/Rating	
Code	Description
G	125 A

c	
Interrupting Rating/Breaking Capacity (based on $I_c$ at 480V)	
Code	Description
2	25 kA
3	35 kA
6	65 kA

d	
Protection Type	
Code	Description
C	Fixed thermal/fixed magnetic
E	Adjust thermal/fixed magnetic
S	Molded case switch (Isolator)

e	
No. of Poles	
Code	Description
3	3 poles
4	4 poles

f	
Current Range	
Code	Description
C	e.g., C30 = 30 A
D	e.g., D16 = 160 A

g			
Factory-Installed Internal Options <sup>(1)</sup>			
Shunt Trip and Undervoltage Release Units		Auxiliary and Alarm Contacts	
Code	Description	Code	Description
SJ	Shunt Trip, 24...30V AC/DC	KA	1 Aux. Contact, 250V
SK	Shunt Trip, 48...60V AC/DC	AA	1 Aux., 1 Alarm Contact, 250V
SD	Shunt Trip, 110...127V AC; 110...125V DC	BA	2 Aux., 1 Alarm Contact, 250V
SA	Shunt Trip, 220...240V AC; 220...250V DC	KJ	1 Aux. Contact, 24V
SB	Shunt Trip, 380...440V AC	AJ	1 Aux., 1 Alarm Contact, 24V
SC	Shunt Trip, 480...525V AC		
UJ	Undervoltage Release, 24...30V AC/DC		
UR	Undervoltage Release, 48V AC/DC		
UD	Undervoltage Release, 110...127V AC; 110...125V DC		
UA	Undervoltage Release, 220...240V AC; 220...250V DC		
UB	Undervoltage Release, 380...440V AC		
UC	Undervoltage Release, 480...525V AC		
No Digit	No Selection		

(1) Select up to two internal options: 1 for left side mounting (shunt trip or undervoltage release), 1 for right (auxiliary or alarm contact).

## Assembled Molded Case Circuit Breakers—125 A, G-Frame



**Table 7 - Interrupting Rating/Breaking Capacity — Thermal-Magnetic Circuit Breakers**

Interrupting Rating (50/60 Hz), UL 489/CSA C22.2, No. 5 [kA]			Breaking Capacity (50/60 Hz), IEC 60947-2 $I_{cu}$ [kA]/ $I_{cs}$ %								Breaking Capacity (DC), IEC 60947-2				Interrupting Code <sup>(1)</sup>
240V	480V	600V/347V	220V <sup>(2)</sup>		415V		440V <sup>(2)</sup>		690V		250V DC (2-pole in series)		500V DC (3-pole in series)		
			$I_{cu}$ [kA]	$I_{cs}$ [% $I_{cu}$ ]	$I_{cu}$ [kA]	$I_{cs}$ [% $I_{cu}$ ]	$I_{cu}$ [kA]	$I_{cs}$ [% $I_{cu}$ ]	$I_{cu}$ [kA]	$I_{cs}$ [% $I_{cu}$ ]	$I_{cu}$ [kA]	$I_{cs}$ [% $I_{cu}$ ]	$I_{cu}$ [kA]	$I_{cs}$ [% $I_{cu}$ ]	
50	25	10	65	75	36	100	36	50	6	75	36	100	36	100	G2
65	35	14	85	75	50	75	50	50	8	50	50	100	50	100	G3
100	65	25	100	75	70	50	65	50	10	50	70	75	70	75	G6

(1) See Table 8 for Cat. No. selection.

(2) These ratings have not been tested for the CCC listing.

**Table 8 - Thermal-Magnetic, Fixed Thermal-Fixed Magnetic**

Rated Current $I_n$ [A]	Thermal Trip [A] $I_r = I_n$ (Fixed)	Magnetic Trip [A] $I_m$	Interrupting Code G2		Interrupting Code G3		Interrupting Code G6	
			Cat. No.		Cat. No.		Cat. No.	
			3 Poles	4 Poles	3 Poles	4 Poles	3 Poles	4 Poles
15	15	500	140G-G2C3-C15	140G-G2C4-C15	140G-G3C3-C15	140G-G3C4-C15	140G-G6C3-C15	140G-G6C4-C15
16	16	500	140G-G2C3-C16	140G-G2C4-C16	140G-G3C3-C16	140G-G3C4-C16	140G-G6C3-C16	140G-G6C4-C16
20	20	500	140G-G2C3-C20	140G-G2C4-C20	140G-G3C3-C20	140G-G3C4-C20	140G-G6C3-C20	140G-G6C4-C20
25	25	500	140G-G2C3-C25	140G-G2C4-C25	140G-G3C3-C25	140G-G3C4-C25	140G-G6C3-C25	140G-G6C4-C25
30	30	500	140G-G2C3-C30	140G-G2C4-C30	140G-G3C3-C30	140G-G3C4-C30	140G-G6C3-C30	140G-G6C4-C30
32	32	500	140G-G2C3-C32	140G-G2C4-C32	140G-G3C3-C32	140G-G3C4-C32	140G-G6C3-C32	140G-G6C4-C32
35	35	500	140G-G2C3-C35	140G-G2C4-C35	140G-G3C3-C35	140G-G3C4-C35	140G-G6C3-C35	140G-G6C4-C35
40	40	500	140G-G2C3-C40	140G-G2C4-C40	140G-G3C3-C40	140G-G3C4-C40	140G-G6C3-C40	140G-G6C4-C40
45	45	500	140G-G2C3-C45	140G-G2C4-C45	140G-G3C3-C45	140G-G3C4-C45	140G-G6C3-C45	140G-G6C4-C45
50	50	500	140G-G2C3-C50	140G-G2C4-C50	140G-G3C3-C50	140G-G3C4-C50	140G-G6C3-C50	140G-G6C4-C50
60	60	600	140G-G2C3-C60	140G-G2C4-C60	140G-G3C3-C60	140G-G3C4-C60	140G-G6C3-C60	140G-G6C4-C60
63	63	630	140G-G2C3-C63	140G-G2C4-C63	140G-G3C3-C63	140G-G3C4-C63	140G-G6C3-C63	140G-G6C4-C63
70	70	700	140G-G2C3-C70	140G-G2C4-C70	140G-G3C3-C70	140G-G3C4-C70	140G-G6C3-C70	140G-G6C4-C70
80	80	800	140G-G2C3-C80	140G-G2C4-C80	140G-G3C3-C80	140G-G3C4-C80	140G-G6C3-C80	140G-G6C4-C80
90	90	900	140G-G2C3-C90	140G-G2C4-C90	140G-G3C3-C90	140G-G3C4-C90	140G-G6C3-C90	140G-G6C4-C90
100	100	1000	140G-G2C3-D10	140G-G2C4-D10	140G-G3C3-D10	140G-G3C4-D10	140G-G6C3-D10	140G-G6C4-D10
110	110	1100	140G-G2C3-D11	140G-G2C4-D11	140G-G3C3-D11	140G-G3C4-D11	140G-G6C3-D11	140G-G6C4-D11
125	125	1250	140G-G2C3-D12	140G-G2C4-D12	140G-G3C3-D12	140G-G3C4-D12	140G-G6C3-D12	140G-G6C4-D12
160 <sup>(1)</sup>	<sup>(2)</sup>	1600	140G-G2E3-D16	140G-G2E4-D16	140G-G3E3-D16	140G-G3E4-D16	140G-G6E3-D16	140G-G6E4-D16

(1) IEC only.

(2) Adjustable thermal trip. 112 A min., 136 A med., 160 A max.