

# Panelboards

## I-Line® – PowerPact H- and J-Frame Circuit Breakers



HD/HG 2-pole  
3 in (76 mm)  
Mounting Height



H-frame 3-pole  
4.5 in (114 mm)  
Mounting Height



J-frame 3-pole  
4.5 in (114 mm)  
Mounting Height

### H-frame 150 A Thermal Magnetic CSA/UL Current-Limiting Circuit Breakers (600 Vac, 250 Vdc) with Factory Sealed Trip Units Suitable for Reverse Connection

Ampere Rating	AC Magnetic Trip Setting		D Interrupting		G Interrupting		J Interrupting ▲		L Interrupting ▲		Terminal Wire Range
	Hold	Trip	Catalogue No.		Catalogue No.		Catalogue No.		Catalogue No.		
<b>H-Frame, 150A 2P, 600 Vac 50/60 Hz, 250 Vdc</b>											
15	350	750	HDA26015( )		HGA26015( )		HJA26015( )		HLA26015( )		AL150HD #14–#3/0 AWG Al or Cu
20	350	750	HDA26020( )		HGA26020( )		HJA26020( )		HLA26020( )		
25	350	750	HDA26025( )		HGA26025( )		HJA26025( )		HLA26025( )		
30	350	750	HDA26030( )		HGA26030( )		HJA26030( )		HLA26030( )		
35	400	850	HDA26035( )		HGA26035( )		HJA26035( )		HLA26035( )		
40	400	850	HDA26040( )		HGA26040( )		HJA26040( )		HLA26040( )		
45	400	850	HDA26045( )		HGA26045( )		HJA26045( )		HLA26045( )		
50	400	850	HDA26050( )		HGA26050( )		HJA26050( )		HLA26050( )		
60	800	1450	HDA26060( )		HGA26060( )		HJA26060( )		HLA26060( )		
70	800	1450	HDA26070( )		HGA26070( )		HJA26070( )		HLA26070( )		
80	800	1450	HDA26080( )		HGA26080( )		HJA26080( )		HLA26080( )		
90	800	1450	HDA26090( )		HGA26090( )		HJA26090( )		HLA26090( )		
100	900	1700	HDA26100( )		HGA26100( )		HJA26100( )		HLA26100( )		
110	900	1700	HDA26110( )		HGA26110( )		HJA26110( )		HLA26110( )		
125	900	1700	HDA26125( )		HGA26125( )		HJA26125( )		HLA26125( )		
150	900	1700	HDA26150( )		HGA26150( )		HJA26150( )		HLA26150( )		

### H-Frame, 150A 3P, 600 Vac 50/60 Hz, 250 Vdc

15	350	750	HDA36015		HGA36015		HJA36015		HLA36015		AL150HD #14–#3/0 AWG Al or Cu
20	350	750	HDA36020		HGA36020		HJA36020		HLA36020		
25	350	750	HDA36025		HGA36025		HJA36025		HLA36025		
30	350	750	HDA36030		HGA36030		HJA36030		HLA36030		
35	400	850	HDA36035		HGA36035		HJA36035		HLA36035		
40	400	850	HDA36040		HGA36040		HJA36040		HLA36040		
45	400	850	HDA36045		HGA36045		HJA36045		HLA36045		
50	400	850	HDA36050		HGA36050		HJA36050		HLA36050		
60	800	1450	HDA36060		HGA36060		HJA36060		HLA36060		
70	800	1450	HDA36070		HGA36070		HJA36070		HLA36070		
80	800	1450	HDA36080		HGA36080		HJA36080		HLA36080		
90	800	1450	HDA36090		HGA36090		HJA36090		HLA36090		
100	900	1700	HDA36100		HGA36100		HJA36100		HLA36100		
110	900	1700	HDA36110		HGA36110		HJA36110		HLA36110		
125	900	1700	HDA36125		HGA36125		HJA36125		HLA36125		
150	900	1700	HDA36150		HGA36150		HJA36150		HLA36150		

### J-frame 250 A Thermal Magnetic CSA/UL Current Limiting Circuit Breakers (600 Vac, 250 Vdc) with Factory Sealed Trip Units Suitable for Reverse Connection

Ampere Rating	AC Magnetic Trip Setting		D Interrupting		G Interrupting		J Interrupting ▲		L Interrupting ▲		R Interrupting ▲		Terminal Wire Range
	Hold	Trip	Catalogue No.		Catalogue No.		Catalogue No.		Catalogue No.		Catalogue No.		
<b>J-Frame 250A 2P, 600 Vac 50/60 Hz, 250 Vdc</b>													
150	750	1500	JDA26150( )		JGA26150( )		JJA26150( )		JLA26150( )				AL175JD #4–4/0 AWG Al or Cu
175	875	1750	JDA26175( )		JGA26175( )		JJA26175( )		JLA26175( )				
200	1000	2000	JDA26200( )		JGA26200( )		JJA26200( )		JLA26200( )				
225	1125	2250	JDA26225( )		JGA26225( )		JJA26225( )		JLA26225( )				AL250JD #3/0–350 kcmil Al or Cu
250	1250	2500	JDA26250( )		JGA26250( )		JJA26250( )		JLA26250( )				
<b>J-Frame 250A 3P, 600 Vac 50/60 Hz, 250 Vdc</b>													
150	750	1500	JDA36150		JGA36150		JJA36150		JLA36150		JRA36150		AL175JD #4–4/0 AWG Al or Cu
175	875	1750	JDA36175		JGA36175		JJA36175		JLA36175		JRA36175		
200	1000	2000	JDA36200		JGA36200		JJA36200		JLA36200		JRA36200		
225	1125	2250	JDA36225		JGA36225		JJA36225		JLA36225		JRA36225		AL250JD #3/0–350 kcmil Al or Cu
250	1250	2500	JDA36250		JGA36250		JJA36250		JLA36250		JRA36250		

### H-frame 150A and J-frame 250 A Electronic Trip CSA/UL Current Limiting Circuit Breakers (600 Vac) with Factory Sealed Trip Units Suitable for Reverse Connection

Electronic Trip Unit			Ampere Rating	D Interrupting		G Interrupting		J Interrupting ▲		L Interrupting ▲		R Interrupting ▲		Terminal
Type	Function	Trip Unit		Catalogue No.		Catalogue No.		Catalogue No.		Catalogue No.		Catalogue No.		
Micrologic Standard	LI	3.2◇	60	HDA36060U31X	HGA36060U31X	HJA36060U31X	HLA36060U31X	HRA36060U31X					AL150HD△	
			100	HDA36100U31X	HGA36100U31X	HJA36100U31X	HLA36100U31X	HRA36100U31X						
			150	HDA36150U31X	HGA36150U31X	HJA36150U31X	HLA36150U31X	HRA36150U31X						
			250	HDA36250U31X	HGA36250U31X	HJA36250U31X	HLA36250U31X	HRA36250U31X						
			250	HDA36250U31X	HGA36250U31X	HJA36250U31X	HLA36250U31X	HRA36250U31X						
Micrologic Standard	LSI	3.2S◇	60	HDA36060U33X	HGA36060U33X	HJA36060U33X	HLA36060U33X	HRA36060U33X					AL150HD△	
			100	HDA36100U33X	HGA36100U33X	HJA36100U33X	HLA36100U33X	HRA36100U33X						
			150	HDA36150U33X	HGA36150U33X	HJA36150U33X	HLA36150U33X	HRA36150U33X						
			250	HDA36250U33X	HGA36250U33X	HJA36250U33X	HLA36250U33X	HRA36250U33X						
			250	HDA36250U33X	HGA36250U33X	HJA36250U33X	HLA36250U33X	HRA36250U33X						
Micrologic Ammeter	LSI	5.2A	60	HDA36060U43X	HGA36060U43X	HJA36060U43X	HLA36060U43X	HRA36060U43X					AL150HD△	
			100	HDA36100U43X	HGA36100U43X	HJA36100U43X	HLA36100U43X	HRA36100U43X						
			150	HDA36150U43X	HGA36150U43X	HJA36150U43X	HLA36150U43X	HRA36150U43X						
			250	HDA36250U43X	HGA36250U43X	HJA36250U43X	HLA36250U43X	HRA36250U43X						
			250	HDA36250U43X	HGA36250U43X	HJA36250U43X	HLA36250U43X	HRA36250U43X						
Micrologic Energy	LSI	5.2E	60	HDA36060U53X	HGA36060U53X	HJA36060U53X	HLA36060U53X	HRA36060U53X					AL150HD△	
			100	HDA36100U53X	HGA36100U53X	HJA36100U53X	HLA36100U53X	HRA36100U53X						
			150	HDA36150U53X	HGA36150U53X	HJA36150U53X	HLA36150U53X	HRA36150U53X						
			250	HDA36250U53X	HGA36250U53X	HJA36250U53X	HLA36250U53X	HRA36250U53X						
			250	HDA36250U53X	HGA36250U53X	HJA36250U53X	HLA36250U53X	HRA36250U53X						
Micrologic Ammeter	LSIG	6.2A	60	HDA36060U44X	HGA36060U44X	HJA36060U44X	HLA36060U44X	HRA36060U44X					AL150HD△	
			100	HDA36100U44X	HGA36100U44X	HJA36100U44X	HLA36100U44X	HRA36100U44X						
			150	HDA36150U44X	HGA36150U44X	HJA36150U44X	HLA36150U44X	HRA36150U44X						
			250	HDA36250U44X	HGA36250U44X	HJA36250U44X	HLA36250U44X	HRA36250U44X						
			250	HDA36250U44X	HGA36250U44X	HJA36250U44X	HLA36250U44X	HRA36250U44X						
Micrologic Energy	LSIG	6.2E	60	HDA36060U54X	HGA36060U54X	HJA36060U54X	HLA36060U54X	HRA36060U54X					AL150HD△	
			100	HDA36100U54X	HGA36100U54X	HJA36100U54X	HLA36100U54X	HRA36100U54X						
			150	HDA36150U54X	HGA36150U54X	HJA36150U54X	HLA36150U54X	HRA36150U54X						
			250	HDA36250U54X	HGA36250U54X	HJA36250U54X	HLA36250U54X	HRA36250U54X						
			250	HDA36250U54X	HGA36250U54X	HJA36250U54X	HLA36250U54X	HRA36250U54X						

▲ Circuit breakers with J, L, and R interrupting ratings are CSA/UL certified as current limiting.

△ AL150HD wire range is 14–3/0 AWG Al or Cu.

□ AL250JD wire range is 3/0 AWG–350 kcmil Al or Cu. For smaller wire range (4–4/0 AWG Al or Cu), replace the lug's wire binding screws with the larger binding screws provided.

◇ 3P circuit breakers with this trip unit can be used for 2P applications.

Ampere Rating	AC Magnetic Trip Settings Amperes	Two Pole★		Three Pole		Standard Lug Kit Wire Range
		Catalogue No.	Price	Catalogue No.	Price	
<b>250 Ampere Frame</b>						
<b>KI Current Limiting I-LIMITER</b>						
	Low	High	600Vac		600Vac	
110	550	1100	KI26110( )		KI36110	
125	625	1250	KI26125( )		KI36125	AL250KA
150	750	1500	KI26150( )		KI36150	1-#4-350 kcmil
175	875	1750	KI26175( )		KI36175	
200	1000	2000	KI26200( )		KI36200	AL250KI
225	1125	2250	KI26225( )		KI36225	1-1/0-350 kcmil
250	1250	2500	KI26250( )		KI36250	

★ Two pole catalogue numbers are completed by adding required phase connection letters as suffix to catalogue number (ex. KI26110AB).



KI36250  
2- and 3-pole  
4.5 in (114 mm)  
Mounting Height

**CSA Listed Interrupting Rating Amperes**

Breaker Catalogue No. Prefix	System Voltage AC		
	250	480	600
KI	200k	200k	100k

**PowerPact™ H-, J-, and L-frame Automatic Molded Case Switches, 600 Vac**

Ampere Rating	Ampere Rating	G Interrupting		L Interrupting		R Interrupting		Terminal	Wire Range
		Catalogue Number		Catalogue Number		Catalogue Number			
2-pole	150	HGA26000S15( )		HLA26000S15( )		---		---	---
	175	JGA26000S17( )		JLA26000S17( )		---		---	---
	250	JGA26000S25( )		JLA26000S25( )		---		---	---
3-pole	150	HGA36000S15		HLA36000S15		---	AL150HD	14 AWG–3/0 AWG Al/Cu	
	175	JGA36000S17		JLA36000S17		JRA36000S17	AL175JD	4–4/0 AWG Al/Cu	
	250	JGA36000S25		JLA36000S25		JRA36000S25	AL250JD	3/0 AWG–350 kcmil Al/Cu	
3-pole	400	LGA36000S40X		LLA36000S40X		LRA36000S40X	AL150HD	AL600LS52K3	
	600	LGA36000S60X		LLA36000S60X		LRA36000S60X	AL250JD	(2) 2/0 AWG–500 kcmil Al/Cu	

**Interrupting Ratings (kA)**

Voltage	D	G	J	L	R
240 V	25	65	100	125	200
480 V	18	35	65	100	200
600 V	14	18	25	50	100

**Phase Options—Example HDA26150( )**

Phase Option Number	Phase Connection	2-pole	3-pole
1	AB	HDA261501	...
2	AC	HDA261502	...
3	BA	HDA261503	...
4	BC	HDA261504	...
5	CA	HDA261505	...
6	CB	HDA261506	...
Standard 6	ABC CBA	...	HDA36150 HDA361506

# I-LINE Moulded Case Circuit Breakers

## 16A to 160A

Circuit breakers have a factory set thermal trip and instantaneous magnetic trip release.  
Please refer to accessories table for electrical auxiliaries, page 8-9.

**Catalogue Number			Current Rating A	Terminal Capacity mm <sup>2</sup>	Instantaneous Trip Setting A	Maximum Earth Fault Loop Impedance Zs OHMS at 240V AC	
Single Pole	Double Pole	Triple Pole				5 Seconds	0.4 Seconds

### Short Circuit Capacity 25kA - 1 / 2 / 3 Module Ways Occupied in I-LINE Panelboard

SFA1016	SFA2016	SFA3016	16	2.5-25	400	2.46	0.60
SFA1020	SFA2020	SFA3020	20	2.5-25	400	1.97	0.60
SFA1032	SFA2032	SFA3032	32	2.5-25	480	1.17	0.50
SFA1040	SFA2040	SFA3040	40	2.5-50	600	0.94	0.40
SFA1050	SFA2050	SFA3050	50	2.5-50	600	0.75	0.40
SFA1063	SFA2063	SFA3063	63	2.5-50	1000	0.60	0.24
SFA1080	SFA2080	SFA3080	80	2.5-50	1200	0.47	0.20
SFA1100	SFA2100	SFA3100	100	2.5-50	1200	0.38	0.20
-	-	SFA3125	125	50-95	1440	0.30	0.17
-	-	SFA3160	160	50-95	1440	0.23	0.17



SFA1080

### Short Circuit Capacity 65kA - 3 Modules Ways Occupied in I-LINE Panelboard

-	-	SFH3016	16	2.5-6	400	2.46	0.60
-	-	SFH3020	20	2.5-6	400	1.97	0.60
-	-	SFH3032	32	2.5-6	480	1.17	0.50
-	-	SFH3040	40	2.5-50	600	0.94	0.40
-	-	SFH3050	50	2.5-50	600	0.75	0.40
-	-	SFH3063	63	2.5-50	1000	0.60	0.24
-	-	SFH3080	80	2.5-50	1200	0.47	0.20
-	-	SFH3100	100	2.5-50	1200	0.38	0.20



SFA3040

### Short Circuit Capacity 150kA - 3 Modules Ways Occupied in I-LINE Panelboard

-	-	SFI3020	20	2.5-25	400	1.20	0.60
-	-	SFI3032	32	2.5-25	480	0.75	0.50
-	-	SFI3040	40	2.5-50	600	0.65	0.40
-	-	SFI3050	50	2.5-50	600	0.55	0.40
-	-	SFI3063	63	2.5-50	1000	0.42	0.24
-	-	SFI3080	80	2.5-50	1200	0.34	0.20
-	-	SFI3100	100	2.5-50	1200	0.28	0.20

\*\* Catalogue numbers for circuit breakers of single and double pole construction require the addition of a suffix corresponding to the phase connection details.

- Suffix A supply red phase.
- Suffix B supply yellow phase.
- Suffix C supply blue phase.
- Suffix AB supply red-yellow phase.
- Suffix BC supply yellow-blue phase.
- Suffix AC supply red-blue phase.

Example SFA1080B supply yellow phase connection.

Example SFA2080AB supply red-yellow phase connection.