

Data Bulletin

Restricted to Schneider Electric personnel

ENGLISH

I-Line® Panelboards Compression Lugs

Class 2110

Retain for future use.

Introduction

Compression lugs extend beyond the load end of a circuit breaker. In some cases, an end gutter or side gutter box extension is required to meet electrical code wire bending requirements. When a factory-assembled panelboard with compression lugs is specified in *Quote-to-Cash*, the *Panelboard Product Selector* will automatically configure the necessary box extension(s). I-Line panelboards are cULus listed with mechanical or compression lugs.

Main Circuit Breaker Compression Lugs

Table 1: HCM Vertically Mounted MG/MJ Main Circuit Breakers

Frame Type	Ampere Rating	Lug Catalog Number	Maximum Conductors Per Phase	Al/Cu Lug Range	Max cable size allowed per NEC312.6.b	Cu Lug Range	Max cable size allowed per NEC312.6.b	End Gutter Box Extension
MG/MJ	400 A	YA400P3	2	2/0–300 kcmil	300 kcmil	—	—	No
MG/MJ	400 A	YA400P7	2	500–750 kcmil	700 kcmil	—	—	No
MG/MJ	400 A	CYA400P5	2	—	—	4/0–500 kcmil	500 kcmil	No
MG/MJ	600 A	YA600P5	2	4/0–500 kcmil	500 kcmil	—	—	No
MG/MJ	600 A	CYA600P5	2	—	—	4/0–500 kcmil	500 kcmil	No
MG/MJ	800 A	YA800P7	2	500–750 kcmil	750 kcmil	—	—	Yes ▲
MG/MJ	800 A	CYA800P7	2	—	—	500–750 kcmil	700 kcmil	No

▲ A 12 in. end gutter box extension box is required for 600–750 kcmil cables.

Table 2: HCP Vertically Mounted MG/MJ Main Circuit Breakers

Frame Type	Ampere Rating	Lug Catalog Number	Maximum Conductors Per Phase	Al/Cu Lug Range	Max cable size allowed per NEC312.6.b	Cu Lug Range	Max cable size allowed per NEC312.6.b	End Gutter Box Extension
MG/MJ	600 A	YA600P5	2	4/0–500 kcmil	500 kcmil	—	—	No
MG/MJ	600 A	CYA600P5	2	—	—	4/0–500 kcmil	500 kcmil	No
MG/MJ	800 A	YA800P7	2	500–750 kcmil	750 kcmil	—	—	Yes ▲
MG/MJ	800 A	CYA800P7	2	—	—	500–750 kcmil	600 kcmil	No

▲ A 12 in. end gutter box extension box is required for 600–750 kcmil cables.

Branch Mounted Circuit Breaker Compression Lugs

Table 3: HCP 400A Interiors

Frame Type	Ampere Rating	Lug Catalog Number	Maximum Conductors Per Phase	Al/Cu Lug Range	Max cable size allowed per NEC312.6.a	Cu Lug Range	Max cable size allowed per NEC312.6.a	Side Gutter Box Extension
MG/MJ/PG/PJ/PL	400 A	YA400P3	2	2/0–300 kcmil	300 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	400 A	YA400P7	2	500–750 kcmil	750 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	400 A	CYA400P5	2	—	—	4/0–500 kcmil	500 kcmil	Yes ■

■ A 5 in. side gutter box extension is required on the wide side of the I-Line stack.

Table 4: HCP 600/800A Interiors

Frame Type	Ampere Rating	Lug Catalog Number	Maximum Conductors Per Phase	Al/Cu Lug Range	Max cable size allowed per NEC312.6.a	Cu Lug Range	Max cable size allowed per NEC312.6.a	Side Gutter Box Extension
MG/MJ/PG/PJ/PL	600 A	YA600P5	2	4/0–500 kcmil	500 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	600 A	CYA600P5	2	—	—	4/0–500 kcmil	500 kcmil	Yes ■
MG/MJ/PG/PJ/PL	800 A	YA800P7	2	500–750 kcmil	700 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	800 A	CYA800P7	2	—	—	500–750 kcmil	700 kcmil	Yes ■

■ A 5 in. side gutter box extension is required on the wide side of the I-Line stack.

Table 5: HCP 1200A Interiors

Frame Type	Ampere Rating	Lug Catalog Number	Maximum Conductors Per Phase	Al/Cu Lug Range	Max cable size allowed per NEC312.6.a	Cu Lug Range	Max cable size allowed per NEC312.6.a	Side Gutter Box Extension
MG/MJ/PG/PJ/PL	600 A	YA600P5	2	4/0–500 kcmil	500 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	600 A	CYA600P5	2	—	—	4/0–500 kcmil	500 kcmil	Yes ■
MG/MJ/PG/PJ/PL	800 A	YA800P7	2	500–750 kcmil	700 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	800 A	CYA800P7	2	—	—	500–750 kcmil	700 kcmil	Yes ■

■ A 5 in. side gutter box extension is required on the wide side of the I-Line stack.

Table 6: HCP-SU 800A Interiors

Frame Type	Ampere Rating	Lug Catalog Number	Maximum Conductors Per Phase	Al/Cu Lug Range	Max cable size allowed per NEC312.6.a	Cu Lug Range	Max cable size allowed per NEC312.6.a	Side Gutter Box Extension
MG/MJ/PG/PJ/PL	600 A	YA600P5	2	4/0–500 kcmil	500 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	600 A	CYA600P5	2	—	—	4/0–500 kcmil	500 kcmil	Yes ■
MG/MJ/PG/PJ/PL	800 A	YA800P7	2	500–750 kcmil	700 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	800 A	CYA800P7	2	—	—	500–750 kcmil	700 kcmil	Yes ■

■ A 5 in. side gutter box extension is required on the wide side of the I-Line stack.

Table 7: HCR-U 1200A Interiors

Frame Type	Ampere Rating	Lug Catalog Number	Maximum Conductors Per Phase	Al/Cu Lug Range	Max cable size allowed per NEC312.6.a	Cu Lug Range	Max cable size allowed per NEC312.6.a	Side Gutter Box Extension
MG/MJ/PG/PJ/PL	400 A	YA400P3	2	2/0–300 kcmil	300 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	400 A	YA400P7	2	500–750 kcmil	750 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	400 A	CYA400P5	2	—	—	4/0–500 kcmil	500 kcmil	Yes ■
MG/MJ/PG/PJ/PL	600 A	YA600P5	2	4/0–500 kcmil	500 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	600 A	CYA600P5	2	—	—	4/0–500 kcmil	500 kcmil	Yes ■
MG/MJ/PG/PJ/PL	800 A	YA800P7	2	500–750 kcmil	750 kcmil	—	—	Yes ■
MG/MJ/PG/PJ/PL	800 A	CYA800P7	2	—	—	500–750 kcmil	750 kcmil	Yes ■
PG/PJ/PL	1000–1200 A	N/A	—	—	—	—	—	—
RG/RJ/RL	1000–1200 A	YA1200R5	4	4/0–500 kcmil	500 kcmil	—	—	Yes ■
RG/RJ/RL	1000–1200 A	CYA1200R5	4	—	—	4/0–500 kcmil	500 kcmil	Yes ■

■ A 5 in. side gutter box extension is required on the wide side of the I-Line stack.

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