

## HCP-SU 800 A Single-Row I-Line™ Panelboard

### Design Features/Benefits and Product Specifications/Selectors

#### Class 2110


Retain for future use.

#### Introduction

Schneider Electric's Square D™ brand HCP 800 A single-row I-Line™ panelboard is one of the narrowest distribution panelboards in the electrical industry (available in either 26 or 28 inches wide), with an offering of an 800 A main circuit breaker and a 600 A branch circuit breaker. It is a wall space savings alternative to the HCP I-Line panelboards and allows Schneider Electric to be more competitive when:

- 600 Vac and 250 Vdc is the system maximum voltage
  - 800 A maximum branch mounted back-fed main circuit breaker or main lugs
  - 600 A maximum branch circuit breaker
- Total circuit breaker mounting space is 54 inches

#### Design Features/Benefits

HCP-SU Single-Row I-Line Panelboard	Feature	Benefit
	Type 1 enclosure is only 26.00 in. (W) x 86.00 in. (H) x 9.50 in. (D)	<ul style="list-style-type: none"> <li>• Wall space savings of approximately 38% as compared to other 42.00 in. wide HCP panelboards</li> </ul>
	Type 3R, 5, and 12 enclosures are only 28.00 in. (W) x 86.00 in. (H) x 13.50 in. (D)	<ul style="list-style-type: none"> <li>• Excellent for retrofit applications where space is an issue</li> <li>• Multiple enclosure types offer a wide range of environmental application uses</li> </ul>
	800 A main circuit breaker or main lug	A cost-effective and wall space savings alternative to HCP panelboards
	HCP-SU panelboard provides a range of short-circuit current ratings(SCCR) for fully-rated and series-rated systems up to 200 kA	Solutions regardless of available fault current
	Main circuit breakers available as 80% and 100% rated through 800 A	
	Panelboard construction	<ul style="list-style-type: none"> <li>• Offers standard tin-plated copper bus</li> <li>• Suitable for use as service entrance equipment</li> <li>• Available as factory-assembled and merchandised; also available for Modular Panelboard Systems (MPS) applications</li> <li>• Interior, trim, and circuit breakers require only a screwdriver for installation</li> <li>• Circuit breakers do not need any external mounting hardware</li> <li>• Interiors may be top or bottom feed</li> </ul>
	Optional 200% rated neutral	Suitable for non-linear loads
	Optional six-circuit QO-plug-on distribution panel	Flexibility to be configured to address a wide range of applications
	Optional sub-feed lug kits through 800 A	
	Optional plug-on I-Line TVSS units for surge protection	Greater flexibility in protecting loads

## Product Specifications

HCP-SU single-row I-Line circuit breaker panelboards are for use on ac systems. They are Underwriters Laboratories® (UL®) Listed under File E33139.

Standard/Feature	Description
UL 67	Standard for panelboards
UL 50	Standard for enclosures for electrical equipment
CSA C22.2, Nos. 29 and 94	Standard for panelboards and enclosed panelboards
NEMA PB 1	Standard for panelboards
NFPA 70	National Electrical Code (NEC)
W-P 115C Type 1 Class 1	W-P 115C Type 1 Class 1 Specification for circuit breaker panelboards

## Product Selectors

In the Panelboard Product Selector on the “Panelboard Requirements” tab, click on the “Type of Panelboard” window and select “I-Line Single Row.”

**The Product Selector will not automatically configure this interior if a standard I-Line panelboard is selected.**

## Interior Restrictions

- If an L-Frame main circuit breaker is selected and a branch plug-on lug kit is required, any of the following plug-on lug kits can be used: SL800, SL400. For SL250, the SCCR rating of the panelboard is equal to the circuit breaker with lowest interrupting rating installed.
- If an SL800 or SL400 main lug only (MLO) kit is selected for a six-disconnect or MLO application, the SCCR rating of the panelboard is equal to the circuit breaker with lowest interrupting rating installed.
- Many of the electronic full-function circuit breakers can be selected as either 100% or 80% rated.
- For a main lug panel, order a sub-feed lug kit.
- For a main circuit breaker panel, order a plug-on I-Line circuit breaker and back-feed as the main circuit breaker.
- This panelboard can be used at maximum 600 Vac and 250 Vdc.

**Maximum Amperages**

Application	Mains		Branches	
	Amperage	Type	Maximum Amperage	Type
Single Disconnect (SE & Non SE)	800	MG, MJ, PG, PJ, PL, PK, and SL800M5	600	LA, LD, LG, LJ, LL, LR, MG, MJ, PG, PJ, PK, PL, and SL800M5
	600	LA, LH, LD, LG, LJ, LL, LR, and SL800M5	400	LA, LD, LG, LJ, LL, LR
	400	LA, LH, LD, LG, LJ, LL, LR, and SL400	250	JD, JG, JJ, JL, JR
			225	QB, QD, QG, QJ, and SL250
			100	FA, FH, FJ
			125	BD, BG, BJ, BK
Main Lug Only (MLO) Disconnect (SE)	800	SL800M5	600	LA, LD, LG, LJ, LL, LR, MG, MJ, and SL800
	600	SL800M5	400	LA, LD, LG, LJ, LL, LR, and SL400
	400	SL400	250	JD, JG, JJ, JL, JR
			225	QB, QD, QG, QJ, and SL225
			100	FA, FH, FJ
			125	BD, BG, BJ, BK
MLO (Non SE)	800	SL800M5	600	LA, LH, LD, LG, LJ, LL, LR, MG, MJ, and SL800M5
	600	SL800M5	400	LA, LH, LD, LG, LJ, LL, LR, and SL400
	400	SL400	250	JD, JG, JJ, JL, JR
			225	QB, QD, QG, QJ, and SL225
			100	FA, FH, FJ
			125	BD, BG, BJ, BK
		150	HD, HG, HJ, HL, HR	

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