



EUSERC UCT
Single Main Circuit Breaker with
I-Line Distribution Panel



EUSERC UCT
Fusible Multiple Mains

Speed-D SB/SF Switchboards (UL Listed)

- UL Listed
- California Energy Commission (CEC) Title 24 compliant configurations available for California installations
- Hot sequence utility compartment per EUSERC requirements
- Two types:
 - Utility–Service disconnect–distribution
 - Utility–Up to six service disconnects
- Single service disconnect, either circuit breaker or fusible rated 400, 600, or 800 A with either type of distribution interiors, NQ up to 240 Vac, I-LineTM through 480 Vac
- Six service disconnects, group-mounted fusible, QMB/QMJ, 30–400 A; utility compartment—400, 600, and 800 A
- Meter doors can be 15 inches high with one meter socket and test block, or 30 inches high with two meter sockets and test block
- Meter sockets can be 6-, 8-, 13-, or 15-jaw meter sockets with test block, based on application
- Solar ready configurations are now available, using a back-fed circuit breaker on the I-Line stack
- Accessories include:
 - Underground pull sections with and without lug landing
 - Loadside wireway
 - Bus links for donut-type current transformers
 - Double padlock hasp attachments
 - Plug-on distribution panel
 - Subfeed circuit breakers
- Full height add-on I-Line distribution section
- Stand-alone I-Line distribution section

Application

Suitable for use as service entrance equipment on ac systems. Sections contain metering compartment, barriers, main disconnects, distribution panel, neutral bus, and grounding provisions.

Metering

C/T compartment with two 15-inch blank meter doors. (Order doors with meter socket from [Table 11.10 Meter Door Selection, page 11-13.](#)) Incoming cable lugs are for top feed with one twin conductor 2 AWG–600 kcmil lug per phase and neutral, suitable for aluminum or copper cables. Optional single conductor lug is available. Refer to [Table 11.11 Accessories, page 11-13.](#)

Mains

Main breaker can be LH, MJ, PowerPact L, or PowerPact P. Standard and advanced electronic trip units available for PowerPact breakers. Multiple main devices use plug-on fusible switches. Main breakers with Energy or Power trip units comply with CEC Title 24 metering requirements.

Branches

NQ distribution bus is rated 400 A and provides mounting space for QOTM/QOB Type (150 A maximum) circuit breakers. Panel provides space for mounting 42 single pole circuit breakers. One or two individually mounted 225 A maximum circuit breakers can be added with bus connectors. (Order subfeed circuit breakers from [Table 11.12 Subfeed Circuit Breakers \(Series E4\), page 11-14.](#))

I-LineTM distribution bus is rated 400, 600, or 800 A and will accept 27 inches of I-Line circuit breakers on the left side with a maximum frame size of “J”. The right side will accept either a QO plug-on distribution panel (240 V only) or LA or LH I-Line circuit breaker, which allows for a back-fed solar power source.

Enclosure

Totally enclosed front accessible with ANSI 49 gray baked enamel finish. Dimensions are 90 in. (H) x 36 in. (W) x 14 in. (D) for indoor and 90 in. (H) x 36 in. (W) x 24.5 in. (D) for outdoor enclosures.

Table 11.11 Accessories (cont'd.)

Description	Catalog No.
Loadside wireway —11.5 in. (W) x 14 in. (D)—indoor only	SA10LW
Bus link kit —800 A max.—Order one kit per phase for 400, 600, and 800 A.	SA10BL
Double padlock hasp attachment —For mounting two padlocks on door handle of rainproof enclosure. Padlocks not included.	SS2PL
Plug-On Distribution Panel —mounts on right side of I-Line interior. Cannot be used with LA/LH branch circuit breaker. Panel rated 225 A for 240 V applications. For QO™ type plug-on circuit breakers only.	System
	Phase
	Pole Spaces
	12
	1Ø AC
	3Ø ABC
	3Ø AB
	SS212AC
	SS312
	SS212AB [8]

Table 11.12: Subfeed Circuit Breakers (Series E4)

Description	Rating (A)	2-Pole Catalog No. [9]		3-Pole Catalog No.	
		Left	Right	Left	Right
Subfeed Circuit Breaker Kit [10] Includes circuit breaker, connectors and mounting hardware. The complete kit, mounting hardware, circuit breaker and connectors will be shipped direct from plant. Delivery is stock to three days.	100	SASFBH100L()	SASFBH100R()	SASFBH100L	SASFBH100R
	110	SASFBH110L()	SASFBH110R()	SASFBH110L	SASFBH110R
	125	SASFBH125L()	SASFBH125R()	SASFBH125L	SASFBH125R
	150	SASFBH150L()	SASFBH150R()	SASFBH150L	SASFBH150R
	175	SASFBH175L()	SASFBH175R()	SASFBH175L	SASFBH175R
	200	SASFBH200L()	SASFBH200R()	SASFBH200L	SASFBH200R
	225	SASFBH225L()	SASFBH225R()	SASFBH225L	SASFBH225R

Ordering Information

- Service section:** Order service section from Table 11.6 Single Main Circuit Breaker with Distribution (Series E4), page 11-12, Table 11.7 Single Main Fusible Disconnect with Distribution (Series E4), page 11-13, or Table 11.8 Multiple Mains—Fusible (Series E4), page 11-13, as determined by mains rating, voltage, and system.
- Meter doors:** Order meter door from Table 11.10 Meter Door Selection, page 11-13 as determined by the height and utility metering requirements.
- Accessories and subfeeds:** Order as required from Table 11.11 Accessories, page 11-13 and/or Table 11.12 Subfeed Circuit Breakers (Series E4), page 11-14.
- Circuit breakers and switches:** Order devices from pages listed below as determined by voltage, trip rating, AIR, and mounting space.

Multiple Mains and Branch Devices

- QO, QOB, QO-VH, QOB-VH: See Digest Section 1 or Section 7.
- I-Line: See Digest Section 9.
- QMB Switches: See Digest Section 9.

[8] To be used on 120/240 V, 3Ø4W delta applications.

[9] Two pole circuit breaker catalog numbers are completed by adding required phase connection letters as suffix (for example, SASFBH100LAC).

[10] Cannot use subfeed circuit breaker kit with multiple mains service section switchboards.