



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.

EUSERC Utility Metering, Main Disconnects and Distribution Panel (UL Listed)

Table 11.6: Single Main Circuit Breaker with Distribution (Series E4)

System	Service Voltage	Mains Ratings (A)	Main Breaker Trip Unit	SCCR 240 V Max.	SCCR 480 V Max.	Distribution Interior	Circuit Breaker Catalog No.			
							Indoor	Outdoor		
1Ø3W	120/240	400	Thermal Magnetic	65	—	NQ	SB124QS	SB124QR		
			LSI Standard Electronic	100		I-Line	SB124IS	SB124IR		
						None	SB124WS	SB124WR		
						NQ	SB124QSJS	SB124QRJS		
						I-Line	SB124ISJS	SB124IRJS		
						None	SB124WSJS	SB124WRJS		
						NQ	SB124QSJE	SB124QRJE		
			I-Line	SB124ISJE		SB124IRJE				
			None	SB124WSJE		SB124WRJE				
		600	LI Basic Electronic	65		I-Line	SB126IS	SB126IR		
			None	SB126WS		SB126WR				
			NQ	SB324QS		SB324QR				
3Ø4W ^[1]	208Y/120 240/120	400	Thermal Magnetic	65	—	None	SB324WS	SB324WR		
			LSI Standard Electronic	100		NQ	SB324QSJS	SB324QRJS		
						None	SB324WSJS	SB324WRJS		
						NQ	SB324QSJE	SB324QRJE		
			None	SB324WSJE		SB324WRJE				
			400	Thermal Magnetic		65	35	I-Line	SB344IS	SB344IR
		LSI Standard Electronic		100		65	None	SB344WS	SB344WR	
						I-Line	SB344ISJS	SB344IRJS		
						None	SB344WSJS	SB344WRJS		
		LSI Energy Electronic		100		I-Line	SB344ISJE	SB344IRJE		
						None	SB344WSJE	SB344WRJE		
			208Y/120 240/120 480Y/277			600	LI Basic Electronic	65	50	I-Line
	800	LI Basic Electronic		65	65		None	SB346WS	SB346WR	
					50		I-Line	SB348IS	SB348IR	
					65	None	SB348WS	SB348WR		
	800	LSI Standard Electronic		100	65	I-Line	SB348ISJS	SB348IRJS		
						None	SB348WSJS	SB348WRJS		
						I-Line	SB348ISJP	SB348IRJP		
		LSI Power Electronic				100	65	None	SB348WSJP	SB348WRJP
								I-Line	SB348ISJS	SB348IRJS
								None	SB348WSJS	SB348WRJS

[1] Can be used on 3Ø3W Delta voltage systems (for example, 240 V Delta or 480 V Delta).