

> **LoadCentre KQ** Distribution boards



LoadCentre KQ - single phase A type distribution boards - 125A

Single phase A type distribution boards - 125A

- Manufactured and tested to BS EN 61439-3
- Maximum busbar rating 125A
- Voltage rating 230/240V AC
- External IP3X protection to BS EN 60529
- Internal IP2XB protection to BS EN 60529 provided by permanent, non removable, factory fitted barriers
- Shielded neutral bars
- Cable knockouts on all sides for speed of installation
- Earth bar capacity 25mm²
- Neutral bar capacity 25mm²
- Wide range of bolt-on incomers, Plug-On outgoers
- All A boards accept DIN control products e.g. contactors, time clocks, in any unused outgoing way without adaptation



Standard type (excluding incomers)

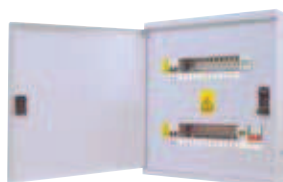
Reference number	Number of SP ways	Height	Dimensions (mm)	
			Width	Depth
SE125A6	6	300	273	117
SE125A8	8	300	345	117
SE125A12	12	300	417	117
SE125A16	16	300	489	117
SE125A24	24	530	417	117

Split load type* (excluding incomers)

Reference number	Number of ways		Height	Dimensions (mm)	
	Unprotected SP	Protected RCD		Width	Depth
SE125A4SL6	4	6	300	417	127
SE125A5SL5	5	5	300	417	127
SE125A4SL8	4	8	300	489	127
SE125A6SL6	6	6	300	489	127

Split load boards are designed for use with earth protection devices (RCD's) on the secondary side and provide the user with additional protection for selected units.

Notes * 2 incoming devices required for split load units. e.g. Switch and RCCB's.
Secondary incomer is a plug on device - see page 20.
All devices are supplied separately.



Split meter board (including incomers)

Reference number	Number of ways		Height	Dimensions (mm)	
	Lighting	Power		Width	Depth
SEA10S10	10	10	530	417	117
SEA14S14	14	14	538	470	139

The split metering board is supplied with 2 meters, an overall switch disconnecter and individual switch disconnectors for lighting and power. Meters are direct connected with pulse output.

Load 50A per row meters used A9M17067

LoadCentre KQ - single phase A type distribution boards - 125A



Type A LoadCentre KQ+ DIN incoming devices

Reference number	Device type	Current rating	Number of poles	Standard approval	Cable capacity mm ²
SE125L2	Terminal block	125A	2	–	50
SE125SW2	Switch disconnecter	125A	2	BS EN 60947-3	50
SED63032	RCCB	63A, 30mA	2	BS EN 61008	35
SED63102	RCCB	63A, 100mA	2	BS EN 61008	35
SED63302	RCCB	63A, 300mA	2	BS EN 61008	35
SED100032	RCCB	100A, 30mA	2	BS EN 61008	50
SED100102	RCCB	100A, 100mA	2	BS EN 61008	50

Plug on RCCB secondary incomers for split load A boards

Reference number	Device type	Current rating	Number of poles	Standard approval	Cable capacity mm ²
R9R81263	RCCB	63A, 30mA	2	BS EN 61008	35
R9R81291	RCCB	100A, 30mA	2	BS EN 61008	50
R9R85291	RCCB	100A, 100mA TD	2	BS EN 61008	50

125A A board accessories

Reference number	Device type
SEK	Barrel lock and 2 keys new square door catch
SEDNP3	Blanking plate (3 poles)
SEPLMCB	MCB padlock attachment (pk 3)
SEPLRCBO	RCBO padlock attachment (pk 10)
SEPL	Padlock
SEAE16	A type DIN rail extension enclosure (16 SP ways available)
SE1100L	100A lug unit single pole
SESDC	Replacement door catch
SEBP25	Blank plate 25 x 5

LoadCentre KQ - three phase B type distribution boards - 250A

Three phase B type distribution boards - 250A

- Manufactured and tested to BS EN 61439-3
- Maximum busbar rating 250A
- Voltage Rating 400/415V AC
- External IP3X protection to BS EN 60529
- IP2XB finger safe with door and cover removed to BS EN 60529, provided by permanent, non removable, factory fitted barriers
- Fully shielded neutral bars
- Earth and neutral bar cable capacity 25mm²
- All incoming connections are the same length i.e. 4 pole configuration
- Range of integral incomers for all applications including lugs, switches, RCCB's and MCCB's
- Outgoing MCB's available up to 63A B, C or D curves
- 18mm wide RCBO available, minimising use of outgoing ways
- Plug-On outgoing for speed of installation and guaranteed connection
- All B boards accept DIN control products (timers, contactors) in any unused outgoing way without adaptation
- Control wiring cable way integrated to moulding

Standard type (excluding incomers)

Reference number	Number of TP ways	Height	Dimensions (mm)	
			Width	Depth
SE12B250	4	484	470	139
SE18B250	6	484	470	139
SE24B250	8	538	470	139
SE36B250	12	700	470	139
SE48B250	16	808	470	139
SE54B250	18	862	470	139
SE72B250	24	1024	470	139



Split load (excluding incomers)

Reference number	Number of TP ways		Reference number	Number of TP ways
SE12B250	4	} + {	SE12B250	4
SE18B250	6		SE18B250	6
SE24B250	8		SE24B250	8
SE36B250	12		SE36B250	12
SE48B250	16		SE48B250	16
SE54B250	18		SE54B250	18
SE72B250	24		SE72B250	24

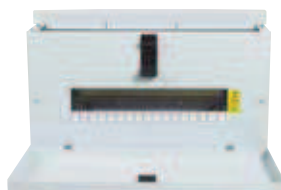
Split load joining kit for mechanical connection **SEJK**.
63A tapoff to feed protected board (including joining kit) **SE63SLK**.



Extra service units 125A (combination of a standard board and DIN rail enclosure)

Reference number	Number of TP busbar ways		Reference number	Number of rows	Number of modules	Dimensions (mm)		
						Height	Width	Depth
SE12B250	4	} + {	SE17BES	1	17	270	470	139
SE18B250	6		SE12B2D	2	34	484	470	139
SE24B250	8		SE18B2D	2	34	538	470	139
SE36B250	12		SE36B3D	3	51	700	470	139
SE48B250	16		SE54B4D	4	68	808	470	139
SE54B250	18							
SE72B250	24							

Extra service units are designed for application using numerous control products and RCCB's. These units provide a professional finish while economising on ease and speed of installation.



LoadCentre KQ - three phase B type distribution boards - metered



Split metering board 125A

Reference number	Number of TP ways		Rating A	Height	Dimensions (mm)	
	Section 1	Section 2			Width	Depth
SEB36S24125	12	8	125	1290	470	139
SEB42S18125	14	6	125	1290	470	139
SEB48S12125	16	4	125	1290	470	139

2 x iEM3255 MID approved pulsed and Modbus outputs
Factory fitted 125 amp incoming switch disconnecter

Split metering board 250A

Reference number	Number of TP ways		Rating A	Height	Dimensions (mm)	
	Section 1	Section 2			Width	Depth
SEB36S24250	12	8	250	1290	470	139
SEB42S18250	14	6	250	1290	470	139
SEB48S12250	16	4	250	1290	470	139

2 x iEM3255 MID approved pulsed and Modbus outputs (page 9)



125A type B LoadCentre KQ incoming devices

Reference number	Device type	Current rating	Number of poles	Standard approval	Cable capacity mm ²
SE125L4	Terminal block	125A	4	–	50
SE125SW4	Switch disconnecter	125A	4	BS EN 60947-3	50
SE125SW3L	Switch disconnecter	125A	3+N lug	BS EN 60947-3	50
SED80034	RCCB	80A, 30mA	4	BS EN 61008	35
SED100304	RCCB	100A, 300mA	4	BS EN 61008	50
SED100304S	RCCB	100A, 300mA TD	4	BS EN 61008	50
SECSW100	Contactor + switch	100A	4	BS EN 60439	50

Note For a wider range of RCCB incomers see the RSD offer on page 25

250A type B LoadCentre KQ incoming devices

Reference number	Device type	Current rating	Number of poles	Standard approval	Cable capacity mm ²
SE250L4P	Terminal block	250A	4	–	185
SE160SW3L	Switch disconnecter	160A	3+N	BS EN 60947-3	95
SE200SW3L	Switch disconnecter	200A	3+N	BS EN 60947-3	185
SE250SW3L	Switch disconnecter	250A	3+N	BS EN 60947-3	185
SE160SW4	Switch disconnecter	160A	4	BS EN 60947-3	95
SE200SW4	Switch disconnecter	200A	4	BS EN 60947-3	185
SE250SW4	Switch disconnecter	250A	4	BS EN 60947-3	185
SE100MCCB3L	MCCB	100A	3+N	BS EN 60947-2	95
SE160MCCB3L	MCCB	160A	3+N	BS EN 60947-2	95
SE200MCCB3L	MCCB	200A	3+N	BS EN 60947-2	185
SE250MCCB3L	MCCB	250A	3+N	BS EN 60947-2	185
SE160RCD	RCCB 160A	Adjustable 30mA - 10A	4	BS EN 61008	95

Note Supplied with 400mm extension box



Metering kit

Reference number	Description
SE250MET	Multi function metering kit for LoadCentre KQ 3 phase B type distribution boards Components: Multi function meter provides V, A, Power factor kW/h, kVA/h. Three current transformers. Three single pole MCB's Voltage rating: 415V nominal, 455V maximum. 3 phase 4 wire 50-60 Hz Output: Pulse output contact is standard + ModBus MID approved