LP-B1B/SER

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
LCP-B1A/SER	LIGHTING	950	1	3x2.5	-	15	20	30	3x4	2	1000	SOCKETS	
LCP-B1A/SER	LIGHTING	800	3	3x2.5	-	15	20	30	3x4	4	1200	SOCKETS	
LCP-B1A/SER	LIGHTING	900	5	3x2.5	-	15	20	30	3x4	6	600	SOCKETS	
LCP-B1A/SER	LIGHTING	800	7	3x2.5	-	15	20	30	-	8	-	SPARE	
LCP-B1A/SER	LIGHTING	800	9	3x2.5	-	15	20	30	-	10	-	SPARE	
LCP-B1A/SER	LIGHTING	900	11	3x2.5	-	15	20	30	-	12	-	SPARE	
LCP-B1A/SER	LIGHTING	700	13	3x2.5	-	15	-	-	-	14	-	SPACE	
	LIGHTING	360	15	3x2.5	-	15	-	-	-	16	-	SPACE	
	LIGHTING	440	17	3x2.5	-	15	-	-	-	18	-	SPACE	
	EXIT LIGHTING	200	19	3x2.5	-	15	-	-	-	20	-	SPACE	
	SPARE	-	21	-	-	15	-	-	-	22	-	SPACE	
	SPARE	-	23	-	-	15	-	-	-	24	-	SPACE	
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 40 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	16	14	12
Demand Load (A)	14	11	11

Connected Load (KVA): 9.65
Demand Load (KVA): 8.25

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	24	Surface

Fed From: PP-B1A/SER — Main Breaker Enclosure — IP 40 Enclosure

LP-B1A/SER

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
LCP-B1A/SER	LIGHTING	700	1	3x2.5	-	15	20	30	3x4	2	1200	SOCKETS	
LCP-B1A/SER	LIGHTING	730	3	3x2.5	-	15	20	30	3x4	4	400	SOCKETS	
LCP-B1A/SER	LIGHTING	660	5	3x2.5	-	15	20	30	3x4	6	1000	SOCKETS	
LCP-B1A/SER	LIGHTING	530	7	3x2.5	-	15	20	30	3x4	8	400	SOCKETS	
LCP-B1A/SER	LIGHTING	1020	9	3x2.5	-	15	20	30	3x4	10	400	SOCKETS	
LCP-B1A/SER	LIGHTING	880	11	3x2.5	-	15	20	30	-	12	-	SPARE	
LCP-B1A/SER	LIGHTING	700	13	3x2.5	-	15	20	30	-	14	-	SPARE	
LCP-B1A/SER	LIGHTING	800	15	3x2.5	-	15	25	30	3x6	16	2000	MINI SPLIT	CONTROL ROOM
LCP-B1A/SER	LIGHTING	1000	17	3x2.5	-	15	15	-	-	18	-	SPARE	
LCP-B1A/SER	LIGHTING	1000	19	3x2.5	-	15	15	-	-	20	-	SPARE	
	EXIT LIGHTING	200	21	3x2.5	-	15	15	-	-	22	-	SPARE	
	LIGHTING	1100	23	3x2.5	-	15	15	-	-	24	-	SPARE	
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 40 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	20	24	20
Demand Load (A)	16	22	18

Connected Load (KVA): 14.72
Demand Load (KVA): 13.02

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	24	Surface

Fed From: PP-B1A/SER — Main Breaker Enclosure — IP 40 Enclosure

LP-B2B/SER

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
LCP-B2B/SER	LIGHTING	800	1	3x2.5	-	15	20	30	3x4	2	800	SOCKETS	
LCP-B2B/SER	LIGHTING	800	3	3x2.5	-	15	20	30	3x4	4	400	SOCKETS	
LCP-B2B/SER	LIGHTING	800	5	3x2.5	-	15	20	30	3x4	6	1000	SOCKETS	
LCP-B2B/SER	LIGHTING	300	7	3x2.5	-	15	20	30	-	8	-	SPARE	
LCP-B2B/SER	LIGHTING	300	9	3x2.5	-	15	20	30	-	10	-	SPARE	
	LIGHTING	370	11	3x2.5	-	15	20	30	-	12	-	SPARE	
	LIGHTING	300	13	3x2.5	-	15	15	-	-	14	-	SPARE	
	EXIT LIGHTING	200	15	3x2.5	-	15	15	-	-	16	-	SPARE	
	SPARE	-	17	-	-	15	15	-	-	18	-	SPARE	
			19							20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 40 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	10	7	9
Demand Load (A)	8	7	7

Connected Load (KVA): 6.07
Demand Load (KVA): 4.97

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	18	Surface

Fed From: PP-B1A/SER — Main Breaker Enclosure — IP 40 Enclosure

LP-B2A/SER

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
LCP-B2A/SER	LIGHTING	660	1	3x2.5	-	15	20	30	3x4	2	1000	SOCKETS	
LCP-B2A/SER	LIGHTING	660	3	3x2.5	-	15	20	30	3x4	4	400	SOCKETS	
LCP-B2A/SER	LIGHTING	600	5	3x2.5	-	15	20	30	3x4	6	1000	SOCKETS	
LCP-B2A/SER	LIGHTING	590	7	3x2.5	-	15	20	30	-	8	-	SPARE	
LCP-B2A/SER	LIGHTING	1170	9	3x2.5	-	15	20	30	3x4	10	300	BOILER	
LCP-B2A/SER	LIGHTING	800	11	3x2.5	-	15	20	30	3x4	12	300	BOILER	
LCP-B2A/SER	LIGHTING	500	13	3x2.5	-	15	20	30	-	14	-	SPARE	
	LIGHTING	800	15	3x2.5	-	15	20	30	-	16	-	SPARE	
	LIGHTING	540	17	3x2.5	-	15	20	30	-	18	-	SPARE	
	EXIT LIGHTING	200	19	3x2.5	-	15	-	-	-	20	-	SPACE	
	SPARE	-	21	-	-	15	-	-	-	22	-	SPACE	
	SPARE	-	23	-	-	15	-	-	-	24	-	SPACE	
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 40 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	13	14	14
Demand Load (A)	11	14	12

Connected Load (KVA): 9.52
Demand Load (KVA): 8.32

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	24	Surface

Fed From: PP-B1A/SER — Main Breaker Enclosure — IP 40 Enclosure

LP-GA/CL

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	900	1	3x2.5	-	15	20	30	3x4	2	1000	SOCKETS	
	LIGHTING	950	3	3x2.5	-	15	20	30	3x4	4	1000	SOCKETS	
	LIGHTING	1100	5	3x2.5	-	15	20	30	3x4	6	600	SOCKETS	
	LIGHTING	900	7	3x2.5	-	15	20	30	3x4	8	800	SOCKETS	
	LIGHTING	1100	9	3x2.5	-	15	20	30	3x4	10	1200	SOCKETS	
	LIGHTING	800	11	3x2.5	-	15	20	30	3x4	12	1200	SOCKETS	SMALL APPL.
	LIGHTING	1100	13	3x2.5	-	15	20	30	3x4	14	800	SOCKETS	
	LIGHTING	1400	15	3x2.5	-	15	20	30	3x4	16	1200	SOCKETS	SMALL APPL.
	LIGHTING	700	17	3x2.5	-	15	20	30	3x4	18	800	SOCKETS	
	LIGHTING	650	19	3x2.5	-	15	20	30	3x4	20	600	SOCKETS	
LSP-GA	LIGHTING	600	21	3x2.5	-	15	20	30	3x4	22	600	SOCKETS	
LSP-GA	LIGHTING	850	23	3x2.5	-	15	20	30	3x4	24	600	SOCKETS	
LSP-GA	LIGHTING	400	25	3x2.5	-	15	20	30	3x4	26	800	SOCKETS	
LSP-GA	LIGHTING	400	27	3x2.5	-	15	20	30	3x4	28	1000	SOCKETS	
LSP-GA	LIGHTING	600	29	3x2.5	-	15	20	30	3x4	30	800	SOCKETS	
	LIGHTING	600	31	3x2.5	-	15	20	30	3x4	32	1200	SOCKETS	SMALL APPL.
	SPARE	-	33	-	-	15	20	30	3x4	34	800	SOCKETS	
	SPARE	-	35	-	-	15	20	30	3x4	36	800	SOCKETS	
	SPARE	-	37	-	-	15	20	30	3x4	38	1000	SOCKETS	
	SPARE	-	39	-	-	20	20	30	3x4	40	800	SOCKETS	
	SPARE	-	41	-	-	20	20	30	3x4	42	1000	SOCKETS	
	SPARE	-	43	-	-	20	20	30	3x4	44	1200	WATER HEATER	
	SPACE	-	45	-	-		20	30	3x4	46	1200	WATER HEATER	
	SPACE	-	47	-	-		20	30	3x4	48	1200	WATER HEATER	
	SPACE	-	49	-	-		20	30	3x4	50	1200	WATER HEATER	
	SPACE	-	51	-	-		20	30	-	52	-	SPARE	
	SPACE	-	53	-	-		20	30	-	54	-	SPARE	

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	57	53	48
Demand Load (A)	44	39	35

Connected Load (KVA): 36.45
Demand Load (KVA): 27.15

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	54	Surface

Fed From: PP-GA/CL — Main Breaker Enclosure — IP 40 Enclosure

LP-GB/PO

Remarks	Load Description	Ckt Load	Ckt No	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1150	1	3x2.5		15	20	30	3x4	2	1200	SOCKETS	
	LIGHTING	650	3	3x2.5		15	20	30	3x4	4	1400	SOCKETS	
	LIGHTING	1200	5	3x2.5		15	20	30	3x4	6	1200	SOCKETS	SMALL APPL.
	LIGHTING	800	7	3x2.5		15	20	30	3x4	8	1200	SOCKETS	
	LIGHTING	1450	9	3x2.5		15	20	30	3x4	10	1000	SOCKETS	
	LIGHTING	350	11	3x2.5		15	20	30	3x4	12	1000	SOCKETS	
	LIGHTING	600	13	3x2.5		15	20	30	3x4	14	1000	SOCKETS	
LCP-GB/PO LSP-GB	LIGHTING	650	15	3x2.5	-	15	20	30	3x4	16	1000	SOCKETS	
LCP-GB/PO LSP-GB	LIGHTING	550	17	3x2.5	-	15	20	30	3x4	18	1000	SOCKETS	
LCP-GB/PO LSP-GB	LIGHTING	300	19	3x2.5	-	15	3X25A	-	4x6mm² + E=6mm² CU/PVC/ PVC	20	2500	UPS-GB/PO	
LCP-GB/PO LSP-GB	LIGHTING	300	21	3x2.5	-	15				22	2500		
LCP-GB/PO LSP-GB	LIGHTING	800	23	3x2.5	-	15				24	2500		
LCP-GB/PO LSP-GB	LIGHTING	600	25	-	-	20	20	-	-	26	-	SPARE	
PROVISION	MINI-SPLIT	2500	27	3x6	-	25	20	-	-	28	-	SPARE	
PROVISION	MINI-SPLIT	2500	29	3x6	-	25	20	-	-	30	-	SPARE	
	SPARE	-	31	-	-	15	20	-	-	32	-	SPARE	
	SPARE	-	33	-	-	15	20	30	3x4	34	1200	WATER HEATER	
	SPARE	-	35	-	-	15	20	-	-	36	-	SPARE	
	SPARE	-	37	-	-	15	20	30	3x4	38	1200	WATER HEATER	
	SPARE	-	39	-	-	15	20	30	3x4	40	1200	WATER HEATER	
	SPARE	-	41	-	-	15	20	30	-	42	-	SPARE	

4x 100 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	46	60	48
Demand Load (A)	38	53	41

Connected Load (KVA): 35.50
Demand Load (KVA): 30.50

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
150	4	230 / 400	50	42	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-GH

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	300	1	3x2.5	-	15	20	30	3x4	2	800	SOCKETS	
	LIGHTING	600	3	3x2.5	-	15	20	30	3x4	4	1200	SOCKETS	SMALL APPL.
	STREET LIGHTING	1300	5	2x6mm² + E=6mm² CU/XLPE/ SWA/PVC	-	CONTACTOR 3X20A	20	30	3x4	6	600	SOCKETS	Battery Charger for generator
	STREET LIGHTING	900	7	2x6mm² + E=6mm² CU/XLPE/ SWA/PVC			20	30	3x4	8	600	SOCKETS	Battery Charger for generator
	STREET LIGHTING	900	9	2x6mm² + E=6mm² CU/XLPE/ SWA/PVC			20	30	3x4	10	600	SOCKETS	Battery Charger for generator
	SPARE	-	11	-	-	15	20	30	3x4	12	1200	WATER HEATRE	
	SPARE	-	13	-	-	15	20	30	3x6	14	500	GATE BARRIER	
	SPARE	-	15	-	-	15	20	30	3x6	16	500	SLIDING DOORS	
	SPARE	-	17	-	-	15	20	30	-	18	-	SPARE	
			19							20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 40 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	13	17	13
Demand Load (A)	11	14	13

Connected Load (KVA): 10.00
Demand Load (KVA): 9.00

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	18	Surface

Fed From: PP-B1A/SER — Main Breaker Enclosure — IP 40 Enclosure

LP-GB/AO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1100	1	3x2.5	-	15	20	30	3x4	2	800	SOCKETS	
	LIGHTING	1000	3	3x2.5	-	15	20	30	3x4	4	1200	SOCKETS	
PROVISION	MINI-SPLIT	1500	5	3x4	-	20	20	30	3x4	6	1200	SOCKETS	
	SPARE	-	7	-	-	20	20	30	3x4	8	1200	WATER HEATER	
	SPARE	-	9	-	-	15	20	30	-	10	-	SPARE	
	SPARE	-	11	-	-	15	20	30	-	12	-	SPARE	
	SPARE	-	13	-	-	15	3X20A	-	4x4mm² + E=4mm² CU/PVC/ PVC	14	1666	UPS-GB/AO	
	SPARE	-	15	-	-	15				16	1666		
	SPARE	-	17	-	-	15				18	1666		
			19							20			
			21							22			
			23							24			
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42			

4x 40 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	21	17	19
Demand Load (A)	19	14	16

Connected Load (KVA): 13.00
Demand Load (KVA): 11.40

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	18	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-1B/CRO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	950	1	3x2.5	-	15	20	30	3x4	2	800	SOCKETS	
	LIGHTING	1200	3	3x2.5	-	15	20	30	3x4	4	1200	SOCKETS	
	LIGHTING	1100	5	3x2.5	-	15	20	30	3x4	6	800	SOCKETS	
	SPARE	-	7	-	-	15	20	30	3x4	8	1200	SOCKETS	
	LIGHTING	650	9	3x2.5	-	15	20	30	3x4	10	600	SOCKETS	
	LIGHTING	1100	11	3x2.5	-	15	20	30	3x4	12	1000	SOCKETS	
	SPARE	-	13	-	-	15	20	30	3x4	14	1000	SOCKETS	
	SPARE	-	15	-	-	15	20	30	3x4	16	1000	SOCKETS	
	SPARE	-	17	-	-	15	20	30	3x4	18	1200	WATER HEATER	
	UPS-1B/CRO	2500	19	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	-	20	-	SPARE	
		2500	21				20	30	-	22	-	SPARE	
		2500	23				20	30	-	24	-	SPARE	
PROVISION	MINI-SPLIT	2000	25	3X6	-	25	-	-	-	26	-	SPACE	
	SPARE	-	27	-		20	-	-	-	28	-	SPACE	
	SPARE	-	29	-		20	-	-	-	30	-	SPACE	
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	37	31	33
Demand Load (A)	30	25	30

Connected Load (KVA): 23.30
Demand Load (KVA): 19.50

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	30	Surface

Fed From: KWHM / DP-B1A/GEN — Main Breaker Enclosure — IP 40 Enclosure

LP-1B/PSO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1600	1	3x2.5	-	15	20	30	3x4	2	600	SOCKETS	
	LIGHTING	1100	3	3x2.5	-	15	20	30	3x4	4	800	SOCKETS	
	LIGHTING	1000	5	3x2.5	-	15	20	30	3x4	6	1000	SOCKETS	
	LIGHTING	800	7	3x2.5	-	15	20	30	3x4	8	1000	SOCKETS	
	LIGHTING	800	9	3x2.5	-	15	20	30	3x4	10	1200	SOCKETS	
	SPARE	-	11	-	-	15	20	30	3x4	12	800	SOCKETS	
	SPARE	-	13	-	-	15	20	30	3x4	14	1200	SOCKETS	SMALL APPL
	SPARE	-	15	-	-	15	20	30	3x4	16	1200	WATER HEATER	
	SPARE	-	17	-	-	15	20	30	3x4	18	1200	WATER HEATER	
	UPS-1B/PSO	2500	19	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	-	20	-	SPARE	
		2500	21				20	30	-	22	-	SPARE	
		2500	23				20	30	-	24	-	SPARE	
PROVISION	MINI-SPLIT	1500	25	3X4	-	20	-	-	-	26	-	SPACE	
	SPACE	-	27	-	-	-	-	-	-	28	-	SPACE	
	SPACE	-	29	-	-	-	-	-	-	30	-	SPACE	
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	40	33	28
Demand Load (A)	34	29	24

Connected Load (KVA): 23.30
Demand Load (KVA): 20.00

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	30	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-1A/SAO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	Lighting	1000	1	3x2.5	-	15	20	30	3x4	2	800	SOCKETS	
	Lighting	1000	3	3x2.5	-	15	20	30	3x4	4	800	SOCKETS	
	Lighting	1500	5	3x2.5	-	15	20	30	3x4	6	1200	SOCKETS	
	Lighting	600	7	3x2.5	-	15	20	30	3x4	8	1400	SOCKETS	
	Lighting	1200	9	3x2.5	-	15	20	30	3x4	10	800	SOCKETS	
	Lighting	700	11	3x2.5	-	15	20	30	3x4	12	1000	SOCKETS	
	UPS-2A/LC	2500	13	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	-	14	-	SPARE	
		2500	15				20	30	3X4	16	1200	WATER HEATER	
		2500	17				20	30	-	18	-	SPARE	
PROVISION	MINI-SPLIT	2000	19	3X6	-	25	-	-	-	20	-	SPACE	
	SPARE	-	21	-	-	20	-	-	-	22	-	SPACE	
	SPARE	-	23	-	-	20	-	-	-	24	-	SPACE	
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	36	33	30
Demand Load (A)	31	29	25

Connected Load (KVA): 22.70
Demand Load (KVA): 19.70

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	24	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-1A/SSO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	700	1	3x2.5	-	15	20	30	3x4	2	1400	SOCKETS	
	LIGHTING	1100	3	3x2.5	-	15	20	30	3x4	4	1200	SOCKETS	
	LIGHTING	650	5	3x2.5	-	15	20	30	3x4	6	1200	SOCKETS	
	SPARE	-	7	-	-	15	20	30	3x4	8	1200	SOCKETS	SMALL APPL
	LIGHTING	1300	9	3x2.5	-	15	20	30	3x4	10	600	SOCKETS	
	LIGHTING	1100	11	3x2.5	-	15	20	30	3x4	12	1000	SOCKETS	
	SPARE	-	13	-	-	15	20	30	3x4	14	1200	SOCKETS	
	SPARE	-	15	-	-	15	20	30	3x4	16	1000	SOCKETS	
	SPARE	-	17	-	-	15	20	30	3x4	18	1000	SOCKETS	
	UPS-1A/SSO	2500	19	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	3x4	20	1200	WATER HEATER	
		2500	21				20	30	3x4	22	1200	WATER HEATER	
		2500	23				20	30	3x4	24	1200	WATER HEATER	
PROVISION	MINI-SPLIT	2000	25	3X6	-	25	20	30	-	26	-	SPARE	
	SPARE	-	27	-	-	20	20	30	-	28	-	SPARE	
	SPARE	-	29	-	-	20	20	30	-	30	-	SPARE	
	SPARE	-	31	-	-	15				32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	44	39	38
Demand Load (A)	36	33	31

Connected Load (KVA): 27.75
Demand Load (KVA): 22.85

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	30	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-2B/WUO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1300	1	3x2.5	-	15	20	30	3x4	2	1200	SOCKETS	
	LIGHTING	800	3	3x2.5	-	15	20	30	3x4	4	1200	SOCKETS	
	LIGHTING	800	5	3x2.5	-	15	20	30	3x4	6	800	SOCKETS	
	LIGHTING	600	7	3x2.5	-	15	20	30	3x4	8	800	SOCKETS	
	SPARE	-	9	-	-	15	20	30	3x4	10	1200	SOCKETS	
	SPARE	-	11	-	-	15	20	30	3x4	12	600	SOCKETS	
	UPS-3B/WUO	1666	13	4x4mm² + E=4mm² CU/PVC/ PVC	-	3X20A	20	30	3x4	14	1200	WATER HEATER	
		1666	15				20	30	3x4	16	1200	WATER HEATER	
		1666	17				25	-	3x6	18	2500	MINI-SPLIT	PROVISION
	SPARE	-	19	-	-	15	20	30	-	20	-	SPARE	
	SPARE	-	21	-	-	15	20	30	-	22	-	SPARE	
	SPARE	-	23	-	-	15	20	30	-	24	-	SPARE	
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	29	26	28
Demand Load (A)	25	21	25

Connected Load (KVA): 19.20
Demand Load (KVA): 16.30

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	24	Surface

Fed From: KWHM / DP-B1A/GEN — Main Breaker Enclosure — IP 40 Enclosure

LP-2B/GSO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1000	1	3x2.5	-	15	20	30	3x4	2	1200	SOCKETS	
	LIGHTING	800	3	3x2.5	-	15	20	30	3x4	4	800	SOCKETS	
	LIGHTING	1300	5	3x2.5	-	15	20	30	3x4	6	1000	SOCKETS	
	LIGHTING	900	7	3x2.5	-	15	20	30	3x4	8	800	SOCKETS	
	LIGHTING	600	9	3x2.5	-	15	20	30	3x4	10	600	SOCKETS	
	LIGHTING	1100	11	3x2.5	-	15	20	30	3x4	12	800	SOCKETS	
	SPARE		13	-	-	15	20	30	3x4	14	1200	SOCKETS	
	SPARE		15	-	-	15	20	30	3x4	16	1200	SOCKETS	
	SPARE		17	-	-	15	20	30	3x4	18	1000	SOCKETS	
	UPS-2B/GSO	2500	19	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	3x4	20	1200	WATER HEATER	
		2500	21				25		3X6	22	2500	MINI-SPLIT	PROVISION
		2500	23				20	30	-	24	-	SPARE	
	SPACE	-	25	-	-	-	20	30	-	26	-	SPARE	
	SPACE	-	27	-	-	-	20	30	-	28	-	SPARE	
	SPACE	-	29	-	-	-	20	30	-	30	-	SPARE	
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
			41							42			

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	38	39	33
Demand Load (A)	31	33	27

Connected Load (KVA): 25.50
Demand Load (KVA): 21.20

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	30	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-2A/LC

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1000	1	3x2.5	-	15	20	30	3x4	2	1200	SOCKETS	
	LIGHTING	700	3	3x2.5	-	15	20	30	3x4	4	600	SOCKETS	
	LIGHTING	800	5	3x2.5	-	15	20	30	3x4	6	1000	SOCKETS	
	LIGHTING	1200	7	3x2.5	-	15	20	30	3x4	8	1200	SOCKETS	
	LIGHTING	500	9	3x2.5	-	15	20	30	3x4	10	800	SOCKETS	
	SPARE	-	11	-	-	15	20	30	3x4	12	1200	SOCKETS	
	SPARE	-	13	-	-	15	20	30	3x4	14	600	SOCKETS	
	SPARE	-	15	-	-	15	20	30	3x4	16	800	SOCKETS	
	SPARE	-	17	-	-	15	20	30	3x4	18	1200	WATER HEATER	
	UPS-2A/LC	2500	19	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	3x4	20	1200	WATER HEATER	
		2500	21				25		3X6	22	2500	MINI-SPLIT	PROVISION
		2500	23				20	30	-	24	-	SPARE	
	SPACE	-	25	-	-	-	-	-	-	26	-	SPACE	
	SPACE	-	27	-	-	-	-	-	-	28	-	SPACE	
	SPACE	-	29	-	-	-	-	-	-	30	-	SPACE	
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	39	37	29
Demand Load (A)	32	32	24

Connected Load (KVA): 24.00
Demand Load (KVA): 20.30

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	30	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-2A/IC

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1100	1	3x2.5	-	15	20	30	3x4	2	1200	SOCKETS	
	LIGHTING	1500	3	3x2.5	-	15	20	30	3x4	4	600	SOCKETS	
	LIGHTING	600	5	3x2.5	-	15	20	30	3x4	6	800	SOCKETS	
	LIGHTING	1400	7	3x2.5	-	15	20	30	3x4	8	1200	SOCKETS	
	LIGHTING	600	9	3x2.5	-	15	20	30	3x4	10	1200	SOCKETS	
	LIGHTING	1050	11	3x2.5	-	15	20	30	3x4	12	1200	SOCKETS	
	LIGHTING	500	13	3x2.5	-	15	20	30	3x4	14	600	SOCKETS	
	SPARE	-	15	-	-	15	20	30	3x4	16	600	SOCKETS	
	SPARE	-	17	-	-	15	20	30	3x4	18	1200	WATER HEATER	
	UPS-3B/UPO	2500	19	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	3x4	20	1200	WATER HEATER	
		2500	21				25		3X6	22	2500	MINI-SPLIT	PROVISION
		2500	23				20	30	-	24	-	SPARE	
	SPARE	-	25	-	-	15	20	30	-	26		SPARE	
	SPARE	-	27	-	-	15	20	30	-	28	-	SPARE	
	SPARE	-	29	-	-	15	20	30	-	30	-	SPARE	
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	42	41	32
Demand Load (A)	36	36	28

Connected Load (KVA): 26.55
Demand Load (KVA): 22.85

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	30	Surface

Fed From: KWHM / DP-B1A/GEN — Main Breaker Enclosure — IP 40 Enclosure

LP-3A/BCO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1000	1	3x2.5	-	15	20	30	3x4	2	1200	SOCKETS	
	LIGHTING	800	3	3x2.5	-	15	20	30	3x4	4	800	SOCKETS	
	LIGHTING	1150	5	3x2.5	-	15	20	30	3x4	6	1200	SOCKETS	
ROOF	LIGHTING	500	7	3x2.5	-	15	20	30	3x4	8	600	SOCKETS	
	SPARE	-	9	-	-	15	20	30	3x4	10	200	SOCKETS	ROOF
	SPARE	-	11	-	-	15	20	30	3x4	12	1200	WATER HEATER	
	MSP-3A/EXF	1500	13	3X4	-	20	3X20A	-	4x4mm² + E=4mm² CU/PVC/ PVC	14	1666	UPS-3A/BCO	
PROVISION	MINI-SPLIT	2000	15	3X6	-	25				16	1666		
	SPARE	-	17	-	-	15				18	1666		
	SPACE	-	19	-	-	-	20	30	-	20	-	SPARE	
	SPACE	-	21	-	-	-	20	30	-	22	-	SPARE	
	SPACE	-	23	-	-	-	20	30	-	24	-	SPARE	
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	28	24	23
Demand Load (A)	24	22	20

Connected Load (KVA): 17.15
Demand Load (KVA): 15.15

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	24	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-3A/CSO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	800	1	3x2.5	-	15	20	30	3x4	2	1000	SOCKETS	
	LIGHTING	800	3	3x2.5	-	15	20	30	3x4	4	1200	SOCKETS	
	LIGHTING	1250	5	3x2.5	-	15	20	30	3x4	6	600	SOCKETS	
	LIGHTING	800	7	3x2.5	-	15	20	30	3x4	8	1200	SOCKETS	
	SPARE	-	9	-	-	15	20	30	3x4	10	800	SOCKETS	
	SPARE	-	11	-	-	15	20	30	3x4	12	800	SOCKETS	
	UPS-3A/CSO	2500	13	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	3x4	14	1200	WATER HEATER	
		2500	15				20	30	3x4	16	1200	WATER HEATER	
		2500	17				25	-	3x6	18	2000	MINI SLPLIT	PROVISION
	SPARE	-	19	-	-	15	20	30	-	20	-	SPARE	
	SPARE	-	21	-	-	15	20	30	-	22	-	SPARE	
	SPARE	-	23	-	-	15	20	30	-	24	-	SPARE	
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	33	28	31
Demand Load (A)	28	24	28

Connected Load (KVA): 21.15
Demand Load (KVA): 18.35

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	24	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-3A/SDO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1100	1	3x2.5	-	15	20	30	3x4	2	800	SOCKETS	
	LIGHTING	600	3	3x2.5	-	15	20	30	3x4	4	800	SOCKETS	
	LIGHTING	800	5	3x2.5	-	15	20	30	3x4	6	1200	SOCKETS	
	LIGHTING	1300	7	3x2.5	-	15	20	30	3x4	8	600	SOCKETS	
	LIGHTING	700	9	3x2.5	-	15	20	30	3x4	10	1100	SOCKETS	
	LIGHTING	600	11	3x2.5	-	15	20	30	3x4	12	800	SOCKETS	
	LIGHTING	800	13	3x2.5	-	15	20	30	3x4	14	1000	SOCKETS	
	SPARE	-	15	-	-	15	20	30	3x4	16	800	SOCKETS	
	SPARE	-	17	-	-	15	20	30	3x4	18	1200	WATER HEATER	
	UPS-3A/SDO	2500	19	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	-	20	-	SPARE	
		2500	21				25	-	3x6	22	2500	MINI SPLIT	PROVISION
		2500	23				20	30	-	24	-	SPARE	
	SPARE	-	25	-	-	15	-	-	-	26	-	SPACE	
	SPARE	-	27	-	-	15	-	-	-	28	-	SPACE	
	SPARE	-	29	-	-	15	-	-	-	30	-	SPACE	
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	35	39	31
Demand Load (A)	30	33	27

Connected Load (KVA): 24.20
Demand Load (KVA): 20.65

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	30	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-3B/REO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1200	1	3x2.5	-	15	20	30	3x4	2	800	SOCKETS	
	LIGHTING	1000	3	3x2.5	-	15	20	30	3x4	4	800	SOCKETS	
	LIGHTING	900	5	3x2.5	-	15	20	30	3x4	6	800	SOCKETS	
	LIGHTING	650	7	3x2.5	-	15	20	30	3x4	8	1000	SOCKETS	
	LIGHTING	800	9	3x2.5	-	15	20	30	3x4	10	1200	SOCKETS	
	LIGHTING	800	11	3x2.5	-	15	20	30	3x4	12	1000	SOCKETS	
	SPARE	-	13	-	-	15	20	30	3x4	14	800	SOCKETS	
	SPARE	-	15	-	-	15	20	30	3x4	16	1200	SOCKETS	
	SPARE	-	17	-	-	15	20	30	3x4	18	100	WATER HEATER	
	UPS-3A/CSO	2500	19	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	-	20	-	SPARE	
		2500	21				20	30	3x4	22	1200	WATER HEATER	
		2500	23				25	-	3x6	24	2500	MINI-SPLIT	PROVISION
	SPARE	-	25	-	-	20	-	-	-	26	-	SPACE	
	SPARE	-	27	-	-	20	-	-	-	28	-	SPACE	
	SPARE	-	29	-	-	20	-	-	-	30	-	SPACE	
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	30	38	37
Demand Load (A)	25	31	33

Connected Load (KVA): 24.25
Demand Load (KVA): 20.45

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	30	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

LP-3B/UPO

Remarks	Load Description	Ckt Load	Ckt No.	Wires	RCD (mA)	C.B. (A)	C.B. (A)	RCD (mA)	Wires	Ckt No.	Ckt Load	Load Description	Remarks
	LIGHTING	1500	1	3x2.5	-	15	20	30	3x4	2	600	SOCKETS	
	LIGHTING	1250	3	3x2.5	-	15	20	30	3x4	4	1000	SOCKETS	
	LIGHTING	1450	5	3x2.5	-	15	20	30	3x4	6	1200	SOCKETS	
	LIGHTING	600	7	3x2.5	-	15	20	30	3x4	8	800	SOCKETS	
ROOF	LIGHTING	500	9	3x2.5	-	15	20	30	3x4	10	800	SOCKETS	
	SPARE	-	11	-	-	15	20	30	3x4	12	1200	SOCKETS	
	UPS-3B/UPO	2500	13	4x6mm² + E=6mm² CU/PVC/ PVC	-	3X25A	20	30	3x4	14	600	SOCKETS	
		2500	15				20	30	3x4	16	1200	WATER HEATER	
		2500	17				20	30	3x4	18	1200	SOCKETS	ROOF
PROVISION	MINI-SPLIT	2500	19	3x6	-	25	20	30	-	20	-	SPARE	
	MSP-3B/EXF	1500	21	3X4	-	20	20	30	-	22	-	SPARE	
	SPARE	-	23	-	-	15	20	30	-	24	-	SPARE	
			25							26			
			27							28			
			29							30			
			31							32			
			33							34			
			35							36			
			37							38			
			39							40			
		-	41							42	-		

4x 60 A Isolator (with 300 mA RCD)

	R	Y	B
Connected Load (A)	40	38	33
Demand Load (A)	35	34	25

Connected Load (KVA): 25.40
Demand Load (KVA): 21.70

Busbars [A]	Wires	Voltage	Freq. [Hz]	No. of Ways	Mounting
100	4	230 / 400	50	24	Surface

Fed From: KWHM / DP-B1A/GEN. — Main Breaker Enclosure — IP 40 Enclosure

NOTES

1- FOR LIST OF DRAWINGS, LEGEND AND GENERAL NOTES REFER TO DWG. E001

No.	REVISION	APP'D	DATE

CLIENT
ألجمهوريـــــة أللبنانيــــة
مجلس ألإنمـاء وألإعمـار

CONSULTANT
خطيب و علمي
شركة الاتحاد الهندسي ش.م.ل
Khatib & Alami
consolidated engineering company S.A.L.

PROJECT TITLE
CHHIM GOVERNMENTAL OFFICES BUILDING

DRAWING TITLE
PANELBOARD SCHEDULES I

	NAME
DESIGNED	A.H.
DRAWN	H.D.
COORDINATED	H.J.
CHECKED	I.S.
APPROVED	R.S.
SCALE	N.T.S
DATE	February 2016

DRAWING No. E006
PROJECT No. BY151600
FILE NAME BY1516-EG-06
APPROVED FOR CONSTRUCTION
TENDER SUBMISSION
SHEET No.