

DISTRIBUTION BOARD LDB.2	
Location Area	Level 2
Servis Area	Level 2
Feeding Circuit Breaker	3x32 A
Feeding cable	5x6 N2XH
User Circuit Breaker	3x32 A
COS ϕ	0,90
Short-circuit current (kA)	5,24

	Power (kW)	Current (A)
Installed	31,56	53,13
Simulation (ks)	0,40	0,40
Demand	12,62	21,25

№	BREAKER №	Line Name	Load Name	DESCRIPTI ON	faza	Vol tage (v)	Cos ϕ	LOAD POWER (W)				LOAD CURRENT (A)			ELCB	BREAKER	CABLE								I _{k2} (kA)	
								sum	L1	L2	L3	L1	L2	L3			Leng th	Instal Method	Corre ction	Wire Size (mm²)	TYPE		I _z	MAX ΔU%		ΔU%
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1	LDB.2	B1:01	DB.203	BOARD	1	220	0,90	1 400	1 400			7,07				2P/20A/C/6kA	16	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	0,65	1,55
2	LDB.2	B1:02	DB.204	BOARD	1	220	0,90	1 400		1 400			7,07			2P/20A/C/6kA	20	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	0,81	1,31
3	LDB.2	B1:03	DB.205	BOARD	1	220	0,90	1 400			1 400			7,07		2P/20A/C/6kA	20	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	0,81	1,31
4	LDB.2	B1:04	DB.206	BOARD	1	220	0,90	1 400	1 400			7,07				2P/20A/C/6kA	25	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,01	1,10
5	LDB.2	B1:05	DB.207	BOARD	1	220	0,90	1 400		1 400			7,07			2P/20A/C/6kA	25	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,01	1,10
6	LDB.2	B1:06	DB.208	BOARD	1	220	0,90	1 400			1 400			7,07		2P/20A/C/6kA	27	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,10	1,04
7	LDB.2	B1:07	DB.209	BOARD	1	220	0,90	1 400	1 400			7,07				2P/20A/C/6kA	27	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,10	1,04
8	LDB.2	B1:08	DB.210	BOARD	1	220	0,90	1 400		1 400			7,07			2P/20A/C/6kA	30	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,22	0,95
9	LDB.2	B1:09	DB.211	BOARD	1	220	0,90	1 400			1 400			7,07		2P/20A/C/6kA	30	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,22	0,95
10	LDB.2	B1:10	DB.212	BOARD	1	220	0,90	1 400	1 400			7,07				2P/20A/C/6kA	33	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,34	0,88
11	LDB.2	B1:11	DB.213	BOARD	1	220	0,90	1 400		1 400			7,07			2P/20A/C/6kA	33	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,34	0,88
12	LDB.2	B1:12	DB.214	BOARD	1	220	0,90	1 400			1 400			7,07		2P/20A/C/6kA	42	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,71	0,72
13	LDB.2	B1:13	DB.215	BOARD	1	220	0,90	1 400	1 400			7,07				2P/20A/C/6kA	37	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,50	0,80
14	LDB.2	B1:14	DB.216	BOARD	1	220	0,90	1 400		1 400			7,07			2P/20A/C/6kA	45	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,83	0,67
15	LDB.2	B1:15	DB.217	BOARD	1	220	0,90	1 400			1 400			7,07		2P/20A/C/6kA	40	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,62	0,75
16	LDB.2	B1:16	DB.218	BOARD	1	220	0,90	1 400	1 400			7,07				2P/20A/C/6kA	50	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	2,03	0,61
17	LDB.2	B1:17	DB.221	BOARD	1	220	0,90	1 400		1 400			7,07			2P/20A/C/6kA	45	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,83	0,67
18	LDB.2	B1:18	Offis	BOARD	1	220	0,90	4 000			4 000			20,20		2P/25A/C/6kA	50	C	0,78	3x4	N2XH	CU-XLPE/XLPE	35,1 A	4,0	3,62	0,92
19	LDB.2	L1:01	განათება	LIGHT	1	220	0,90	200	200			1,01			2P/16A	1P/10A/B/6kA	75	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	0,72	-
20	LDB.2	L1:02	განათება	LIGHT	1	220	0,90	40		40			0,20		2P/16A	1P/10A/B/6kA	45	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	0,09	-
21	LDB.2	L1:03	განათება	LIGHT	1	220	0,90	220			220			1,11	2P/16A	1P/10A/B/6kA	110	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	1,17	-
22	LDB.2	L1:04	განათება	LIGHT	1	220	0,90	160	160			0,81			2P/16A	1P/10A/B/6kA	50	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	0,39	-
23	LDB.2	L1:05	განათება	LIGHT	1	220	0,90	360		360			1,82		2P/16A	1P/10A/B/6kA	75	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	1,30	-
24	LDB.2	rezerve	რეზერვი	LIGHT	1	220	0,90	0			0			0,00	2P/16A	1P/10A/B/6kA	0	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	0,00	-
25	LDB.2	S1:01	როზეტები	SOCKET	1	220	0,90	700	700			3,54			2P/16A	1P/16A/B/6kA	90	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,83	-
26	LDB.2	S1:02	რეკი	SOCKET	1	220	0,90	1 200		1 200			6,06		2P/16A	1P/16A/B/6kA	55	C	0,78	3x2,5	N2XH	CU-XLPE/XLPE	25,74 A	3,0	1,91	-
27	LDB.2	S1:03	ფენჯოილი	SOCKET	1	220	0,90	880			880			4,44		1P/16A/B/6kA	20	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	0,85	-
28	LDB.2	rezerve	რეზერვი	SOCKET	1	220	0,90	0	0			0,00			2P/16A	1P/16A/B/6kA	0	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	0,00	-
29	LDB.2	rezerve	რეზერვი	SOCKET	1	220	0,90	0		0			0,00		2P/16A	1P/16A/B/6kA	0	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	0,00	-
30	LDB.2	rezerve	რეზერვი	SOCKET	1	220	0,90	0			0			0,00		1P/16A/B/6kA	0	C	0,78	3x1,5	N2XH	CU-XLPE/XLPE	18,72 A	3,0	0,00	-
								31 560	9 460	10 000	12 100	47,8	50,5	61,1												