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|----------------------------|----------|
| DISTRIBUTION BOARD | LDB.7 |
| Location Area | Level 7 |
| Servis Area | Level 7 |
| Feeding Circuit Breaker | 3x32 A |
| Feeding cable | 5x6 N2XH |
| User Circuit Breaker | 3x32 A |
| COS Ø | 0,90 |
| Short-circuit current (kA) | 5,24 |

| | | |
|-----------------|------------|-------------|
| | Power (kW) | Current (A) |
| Installed | 29,90 | 50,34 |
| Simulation (ks) | 0,40 | 0,40 |
| Demand | 11,96 | 20,13 |

| № | BREAKER № | Line Name | Load Name | DESCRIPTION | faza | Vol tage (v) | Cos Ø | LOAD POWER (W) | | | | LOAD CURRENT (A) | | | ELCB | BREAKER | CABLE | | | | | | | | | | I _{kz} (KA) |
|----|-----------|-----------|-----------|-------------|------|--------------|-------|----------------|--------|-------|--------|------------------|------|------|--------|--------------|---------|---------------|-------------|------------------------------|------|--------------|---------|---------|------|------|-----------------------|
| | | | | | | | | sum | L1 | L2 | L3 | L1 | L2 | L3 | | | Leng th | Instal Method | Corre ction | Wire Size (mm ²) | TYPE | | Iz | 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.7 | B1:01 | DB.702 | 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 | |
| 2 | LDB.7 | B1:02 | DB.704 | 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.7 | B1:03 | DB.705 | 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.7 | B1:04 | DB.706 | 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.7 | B1:05 | DB.707 | 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.7 | B1:06 | DB.708 | 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 | |
| 7 | LDB.7 | B1:07 | DB.709 | 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 | |
| 8 | LDB.7 | B1:08 | DB.710 | 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.7 | B1:09 | DB.711 | 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.7 | B1:10 | DB.712 | BOARD | 1 | 220 | 0,90 | 1 400 | 1 400 | | | 7,07 | | | | 2P/20A/C/6kA | 32 | C | 0,78 | 3x2,5 | N2XH | CU-XLPE/XLPE | 25,74 A | 3,0 | 1,30 | 0,90 | |
| 11 | LDB.7 | B1:11 | DB.713 | BOARD | 1 | 220 | 0,90 | 1 400 | | 1 400 | | | 7,07 | | | 2P/20A/C/6kA | 32 | C | 0,78 | 3x2,5 | N2XH | CU-XLPE/XLPE | 25,74 A | 3,0 | 1,30 | 0,90 | |
| 12 | LDB.7 | B1:12 | DB.714 | BOARD | 1 | 220 | 0,90 | 1 400 | | | 1 400 | | | 7,07 | | 2P/20A/C/6kA | 35 | C | 0,78 | 3x2,5 | N2XH | CU-XLPE/XLPE | 25,74 A | 3,0 | 1,42 | 0,84 | |
| 13 | LDB.7 | B1:13 | DB.715 | BOARD | 1 | 220 | 0,90 | 1 400 | 1 400 | | | 7,07 | | | | 2P/20A/C/6kA | 35 | C | 0,78 | 3x2,5 | N2XH | CU-XLPE/XLPE | 25,74 A | 3,0 | 1,42 | 0,84 | |
| 14 | LDB.7 | B1:14 | DB.716 | 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 | |
| 15 | LDB.7 | B1:15 | DB.717 | 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.7 | B1:16 | DB.718 | BOARD | 1 | 220 | 0,90 | 1 400 | 1 400 | | | 7,07 | | | | 2P/20A/C/6kA | 43 | C | 0,78 | 3x2,5 | N2XH | CU-XLPE/XLPE | 25,74 A | 3,0 | 1,75 | 0,70 | |
| 17 | LDB.7 | B1:17 | DB.719 | BOARD | 1 | 220 | 0,90 | 1 400 | | 1 400 | | | 7,07 | | | 2P/20A/C/6kA | 43 | C | 0,78 | 3x2,5 | N2XH | CU-XLPE/XLPE | 25,74 A | 3,0 | 1,75 | 0,70 | |
| 18 | LDB.7 | B1:18 | DB.720 | 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 | |
| 19 | LDB.7 | B1:19 | DB.724 | 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 | |
| 20 | LDB.7 | 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 | - | |
| 21 | LDB.7 | 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 | - | |
| 22 | LDB.7 | 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 | - | |
| 23 | LDB.7 | 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 | 2,5 | 0,39 | - | |
| 24 | LDB.7 | 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 | 2,5 | 1,30 | - | |
| 25 | LDB.7 | 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 | 2,5 | 0,00 | - | |
| 26 | LDB.7 | 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 | 2,5 | 1,83 | - | |
| 27 | LDB.7 | 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 | 2,5 | 1,91 | - | |
| 28 | LDB.7 | S1:03 | ფენჯოილი | SOCKET | 1 | 220 | 0,90 | 420 | 420 | | | 2,12 | | | | 1P/16A/B/6kA | 20 | C | 0,78 | 3x1,5 | N2XH | CU-XLPE/XLPE | 18,72 A | 2,5 | 0,41 | - | |
| 29 | LDB.7 | 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 | 2,5 | 0,00 | - | |
| 30 | LDB.7 | 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 | 2,5 | 0,00 | - | |
| 31 | LDB.7 | 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 | 2,5 | 0,00 | - | |
| | | | | | | | | 29 900 | 10 440 | 9 460 | 10 000 | 52,7 | 47,8 | 50,5 | | | | | | | | | | | | | |