

R3.07A 400V, 50Hz
L1, L2, L3

The diagram illustrates the electrical distribution system for a building. It starts with a main supply line (400V, 50Hz) entering from the top. The system is divided into three phases: L1, L2, and L3. The main supply is protected by a 3/80A circuit breaker. The system is grounded through a PEN conductor, which is connected to a ground terminal (PE) and a ground rod. The system is also protected by a SPD (Surge Protection Device) type 2.

The distribution system is divided into several sections, each protected by a circuit breaker (B):

- Section 1:** Protected by B20/3, supplying L1-L3. It is connected to a 4/63 100mA type A RCD (Residual Current Device).
- Section 2:** Protected by B10/2 30mA type A, supplying L1, L2. It is connected to a 1.2 CYKY-J 3x1.5 cable.
- Section 3:** Protected by B16/2 30mA type A, supplying L3, L1. It is connected to a Z1, Z2 CYKY-J 3x2.5 cable.
- Section 4:** Protected by B10/2 30mA type A, supplying L2.
- Section 5:** Protected by B16/2 30mA type A, supplying L3.
- Section 6:** Protected by B10/1, supplying L1.
- Section 7:** Protected by B16/1, supplying L2.

The system is connected to a main distribution unit (Bytové rozvodnice) and a lighting unit (OSVĚTLENÍ). The lighting unit is connected to a 230V/16A ZÁSUVKY (outlets) unit.

Legend:

- RH-G 1-CHKE-R 5x16:** Cable for power supply (Přívod z RH-G - napájení).
- R3, XX 1-CHKE-R 5x6:** Cable for distribution (Bytové rozvodnice).
- 1,2 CYKY-J 3x1.5:** Cable for lighting (OSVĚTLENÍ).
- Z1, Z2 CYKY-J 3x2.5:** Cable for outlets (ZÁSUVKY 230V/16A).

R3.07B 400V, 50Hz
L1, L2, L3

3/80A

4/63 100mA typ A

SPD typ 2

8x L1-L3

3x L1

3x L2

B20/3

B10/2 30mA typ A

B16/2 30mA typ A

B10/1

B16/1

H07V-U 16mm²

MET

PEN

N

PE

RH-G
1-CHKE-R
5x16

R3.XX
1-CHKE-R
5x6

H07V-U 16mm²
MET/MEB

Prívod z RH-G - napájení

Bytové rozvodnice

D.1.2.5. ELEKTROINSTALACE

PROJEKTANT	PROJEKTANT SPEC.	KRESLIL	KONTROLOVAL	JOSEF CHRT, DiS.	
ING. KREGL	CHRT	CHRT		KVĚTINOVÁ 400/12, RUDOLFOV	
				IČO: 706 65 729	TEL: 775 971 960
KRAJ	JIHOČESKÝ	MÚ	TŘEBOŇ	FORMÁT	2x A4
INVESTOR	Statinné lázně Třeboň s.r.o. Lázeňská 1001, 379 13 Třeboň II			DATUM	09/2025
VLASTNÍK	Město Třeboň, Palackého nám. 46, Třeboň, Třeboň II, 379 01			ÚČEL	DPS + DZS
STAVEBNÍ ÚPRAVY STÁVAJÍCÍHO OBJEKTU BUDOVY G-LDA S NÁSTAVBOU ADMINISTRATIVNÍCH A UBYTOVACÍCH KAPACIT parcely č. 1977/3, 1977/8; k.ú. Třeboň [770230]				MĚŘITKO	--
SCHÉMA ROZVADĚČE R3.07A A R3.07B				PŘÍLOHA	KOPIE
				D.1.2.5.2.10	