

$$\Delta U = 0,5\% = 400 \cdot \frac{0,5}{100} = \underline{2V}$$

$$R_V = \frac{\frac{\Delta U}{\sqrt{3}}}{I} = \frac{\frac{2}{\sqrt{3}}}{14} = \underline{0,0824 \Omega}$$

$$R = \rho \cdot \frac{l}{S} = S = \frac{\rho \cdot l}{R} = \frac{0,0178 \cdot 30}{0,0824} = \underline{6,48 \text{ mm}^2}$$