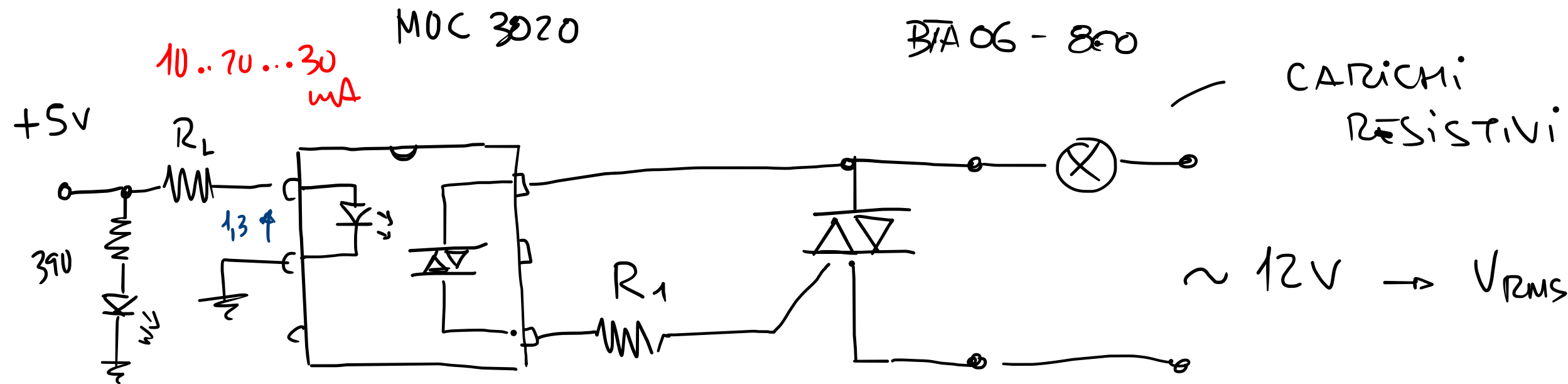


OPTO TRIAC



ZC ZERO CROSSING

$$R_1 = \frac{V_P}{I_{TSM}} = \frac{12 \cdot \sqrt{2}}{1 \text{ A}} = \frac{17}{1} = 17 \Omega$$

