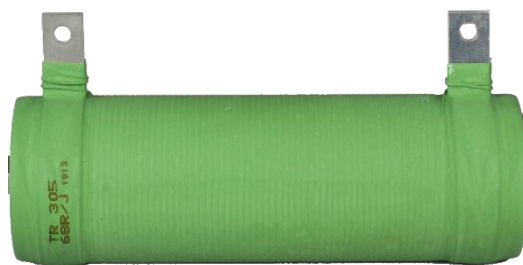


## Power resistor TR305 68R/J

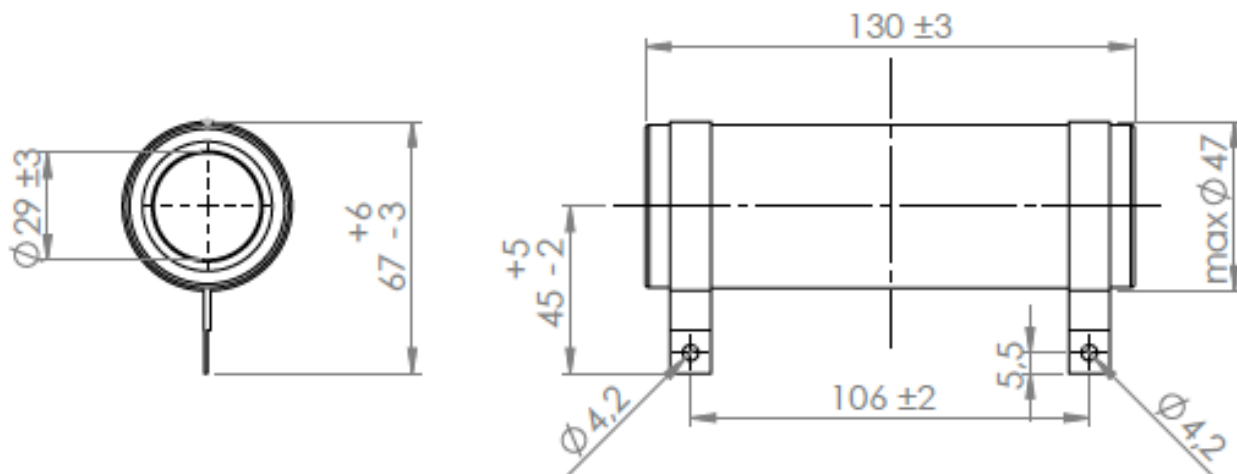


The TR305 68R/J damping resistor with a resistance value of  $68\Omega$  and a power loss of 200W is used for the difficult implementation of ferroresonance damping. Resistors can be mounted both horizontally and vertically. The resistor is connected to the so-called open triangle.

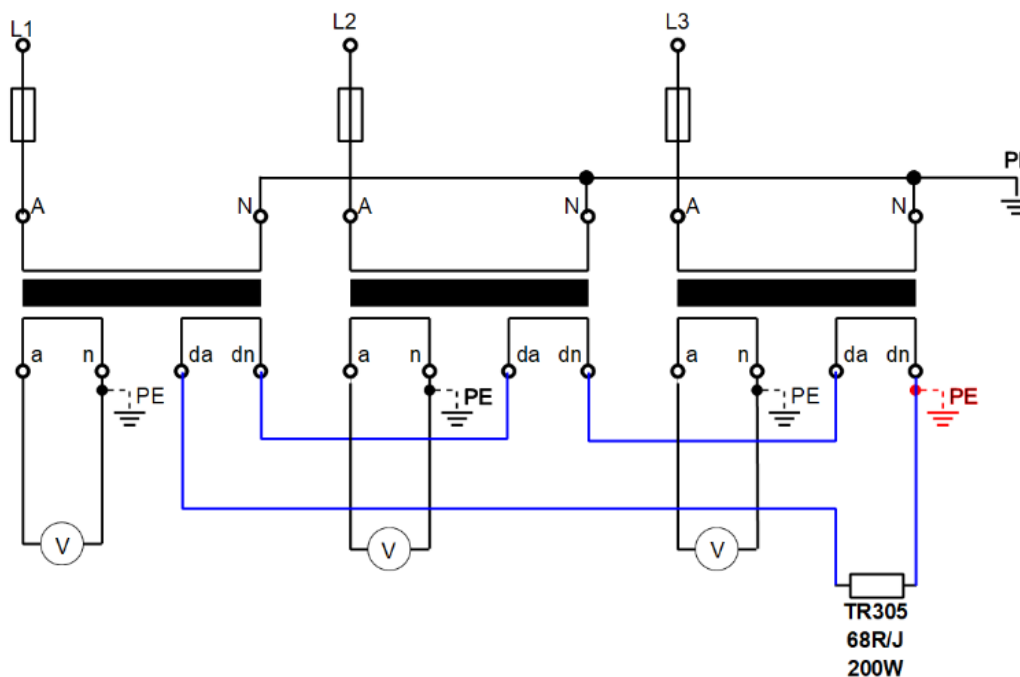
### Technical parameters of the TR305 resistor designed for dampening the effect of ferroresonance

Resistor Type:	wired
The resistance of the resistor	$68\Omega$
Power loss:	200 W
Temperature coefficient:	$\pm 150 \text{ ppm}/^\circ\text{C}$
Operating voltage	$2\,000 \text{ V} \cong$
Isolation testing voltage	$4\,000 \text{ V} \cong$
Accuracy of resistors:	$\pm 5\%$ .
Weight without accessories::	$(255 \pm 5)\text{g}$
Outputs:	eyes
Producer:	Tesla Blatná
Specification:	TPTE57-155/98, ČSN 60115-1/QC400 000/

Dimensional sketch of the TR305 resistor intended for damping the effect of ferroresonance



### Principle connection of a resistor in an open triangle

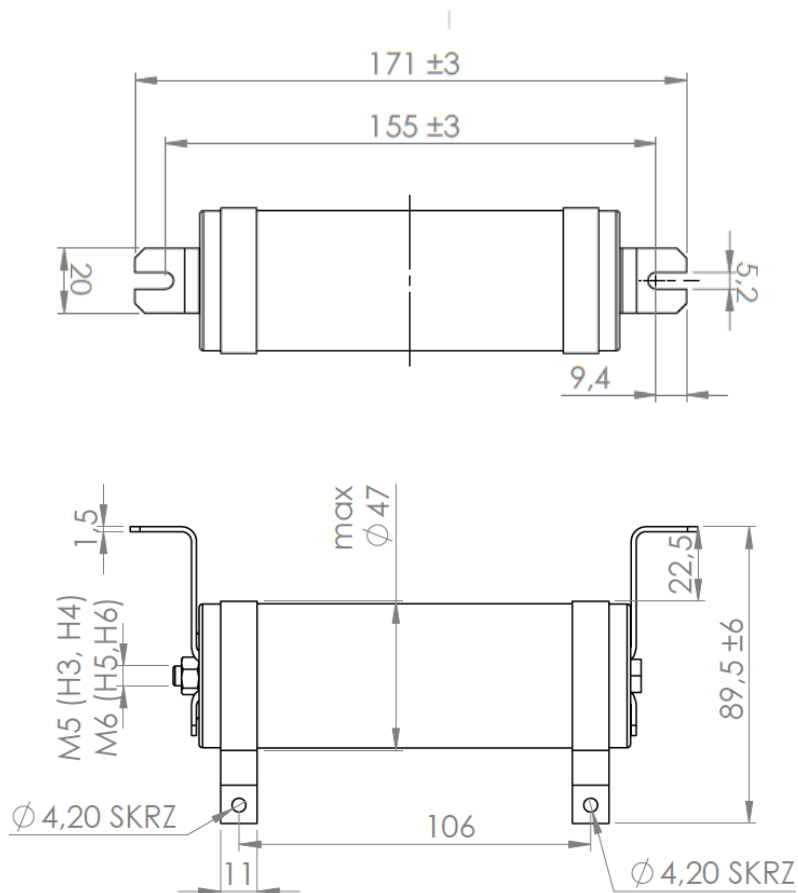


*Note: in the event that the connection of the resistor causes the parallel protection or signaling relay to fail due to its consumption, it is possible to connect two resistors in series to reduce the consumption.*

**Resistor including mounting accessories for horizontal mounting  
(order number: 200100198)**



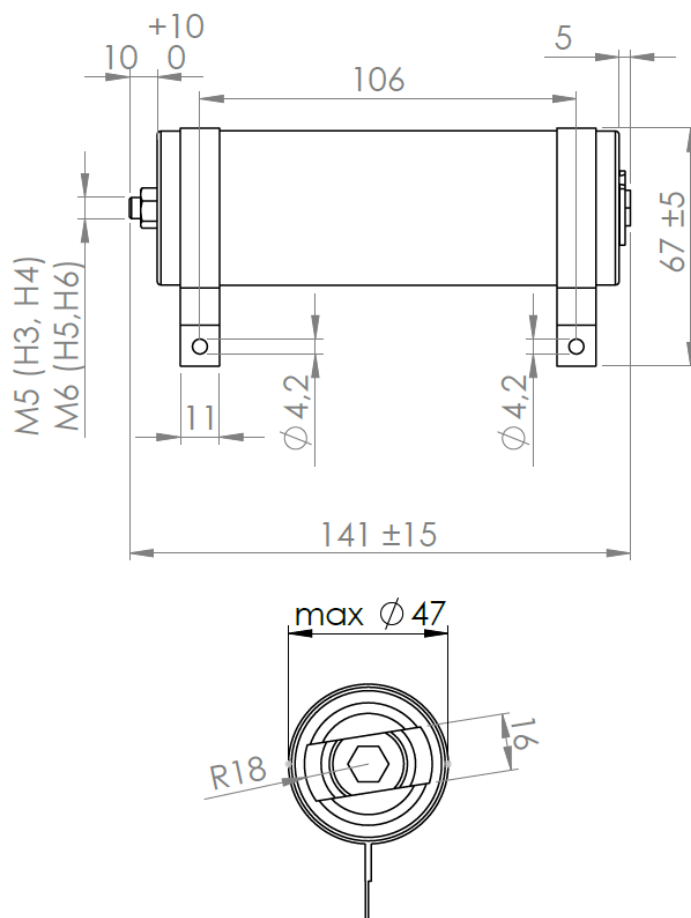
**Dimensional sketch of the TR305 resistor intended for damping the effect of ferroresonance for horizontal mounting:**



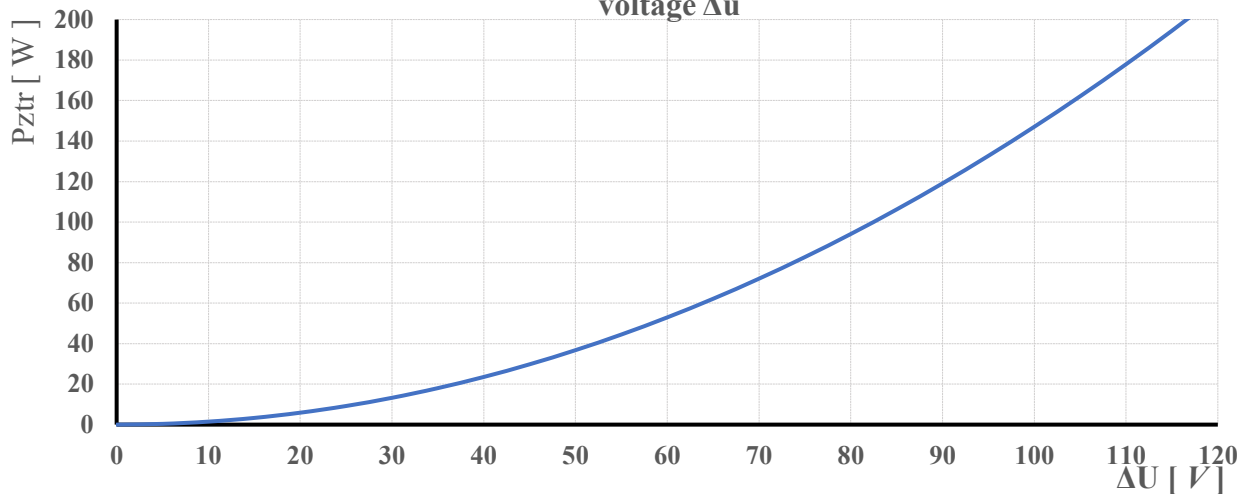
**Resistor including mounting accessories for vertical mounting:  
(order number: 200100199)**



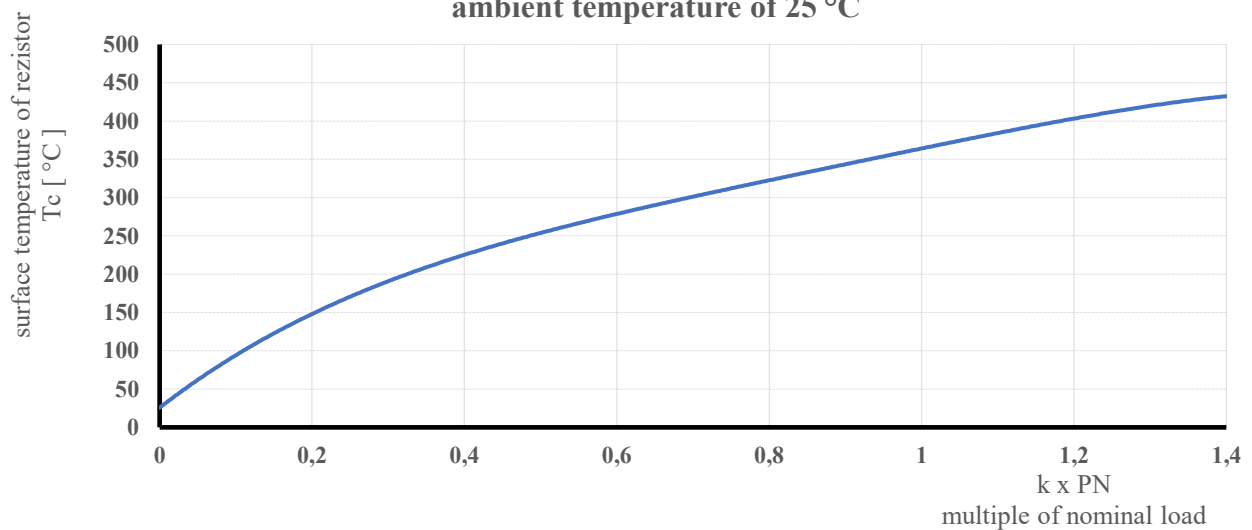
**Dimensional sketch of the TR305 resistor intended for damping the effect of  
ferroresonance for vertical mounting:**



Dependence of losses (Pztr) on the resistor R= 68 Ω on the applied voltage Δu



Surface temperature of resistors - power load characteristic at an ambient temperature of 25 °C



Nominal load Pn versus ambient temperature T

