TRACO POWER
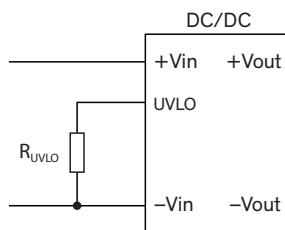
Startup and Shutdown adjustment

This series has an ultra wide input voltage range, thus it can cover many nominal input voltages in one module. In order to prevent incorrect operating under different input conditions, it offers Under Voltage Lockout (UVLO) adjustment by connecting a resistor between UVLO and –Vin pin.

Connection

UVLO connection

Table for Constants

Model	A	B	C
TEP 40-36xxUIR TEP 60-36xxUIR	48'000	8'273	0.96
TEP 40-72xxUIR TEP 60-72xxUIR	120'000	12'500	2.4

Startup equation

$$V_{startup} = \left(\frac{A \cdot (R_{UVLO} + B)}{R_{UVLO} \cdot B} + 1 \right) \cdot 1.25$$

Shutdown equation

$$V_{shutdown} = V_{startup} - C$$