

# EM-M22 TRMS 5A / 1A TO 4...20mA



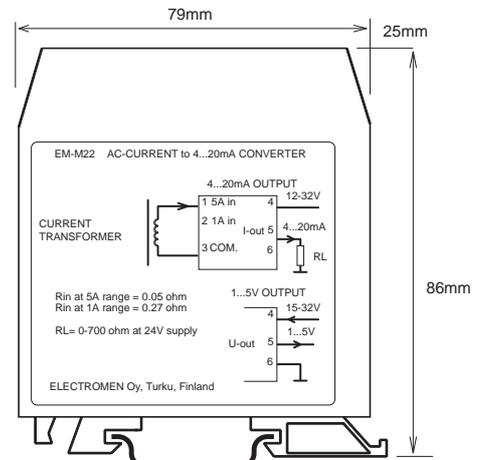
## FEATURES

- Measures TrueRMS
- Input ranges 5A and 1A
- Output 4...20mA and 1...5V
- Settable gain
- Over current protected
- Reverse current protected
- Easy to connect
- Rail mountable

EM-M22 is designed for measuring AC current. The device was designed to work with current transformer and as a converter to current signal. The AC current is measured as TrueRMS, in other words the device gives RMS output also from other than sinus shaped signals. The measured current is converted into 4...20mA signal. There are two measuring ranges, 5A and 1A, which are standard current transformer output values. The device takes it's supply power from current loop and requires no other power supply. The device can also be used as 1...5V signal transducer according to the schematic down low. EM-M22 is efficiently protected from faulty connections and voltage peaks.

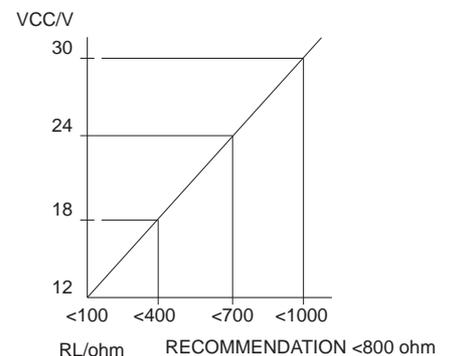
## TECHNICAL DATA

Supply	12...32 Vdc
Measuring range	5AC RMS 20A peak 1AC RMS 4A peak
Input impedance	0.05 ohm / 5A 0.27 ohm / 1A
Output signal	4...20mA / 1...5V
Linearity error	<0.5% (sin)
Thermal drift	<200ppm/°C
Settling time	0.3s
Frequency range	45...1000Hz
Loop resistance	0-700 ohm ( 24V )
Oper. ambient temp.	0...50°C

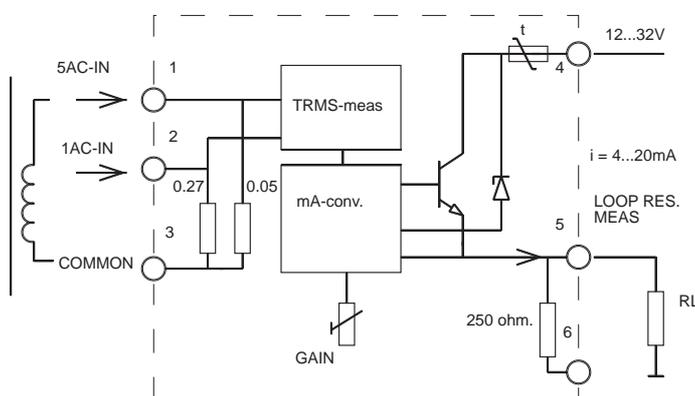


DIN-MOUNTING RAIL  
WIDTH OF THE HOUSING IS 25MM

LARGEST POSSIBLE MEAS. RESISTOR  
AS A FUNCTION OF OPER. VOLTAGE



4...20mA CURRENT LOOP



1...5V Uout

