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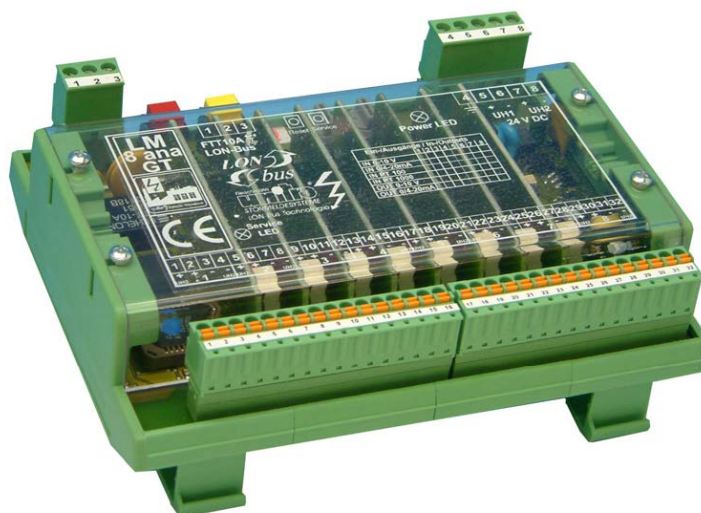
LM 8 ana GT (FTT/PLT), analog In-, Output modules for DIN rail mounting

Type designation:

LM 8 ana GT

8 analog channels (input and/or outputs) **galvanic separated (500V_{rms})**, input, output with pluggable modules freely selectable

(PLT analog see C3)

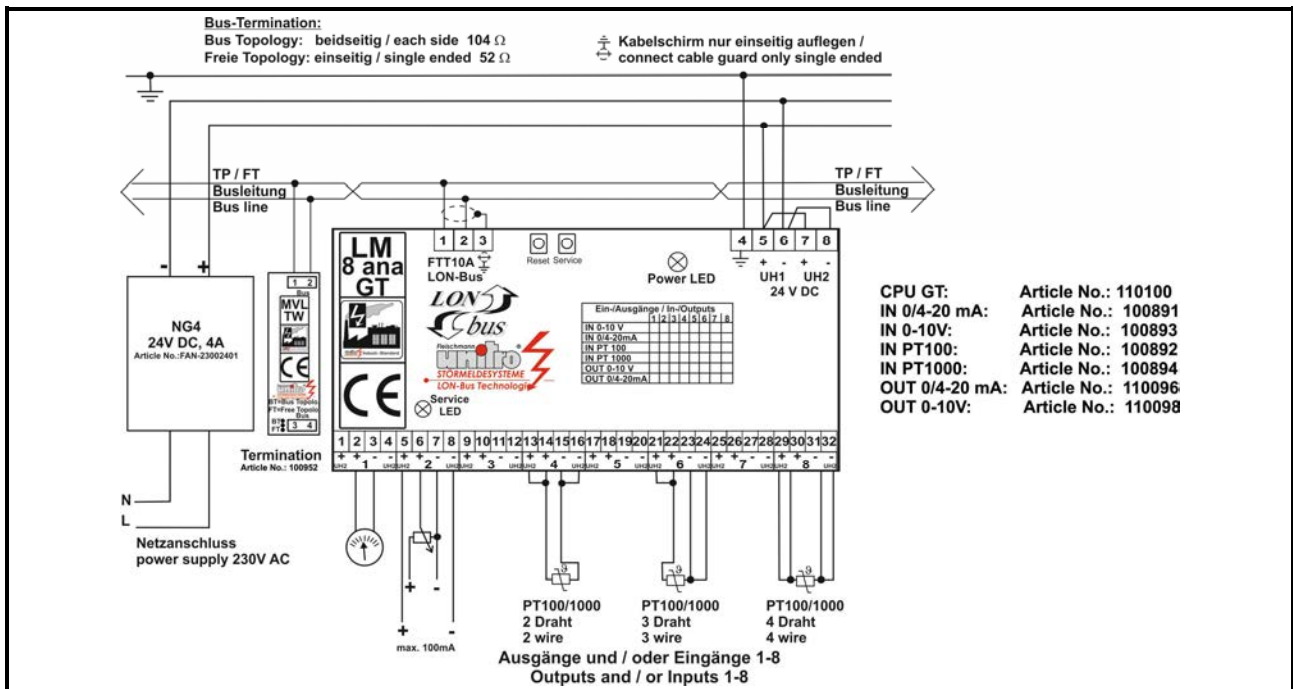


System features:

- Snap-on housing for DIN rail mounting 145 x 111 x 50mm high
- Degree of protection IP20
- Connection: screw-type terminals/ plug connection 2,5mm² (supply and bus), Connection: screw-type terminals/ plug connection or spring-loaded terminals 1,5mm² (input, output channels)
- Supply voltage: 24V AC / DC 220mA ± 10%
- 8 analog channels, **galvanic separated (500V_{rms})**, with pluggable modules freely selectable:

Inputs:	0/4-20mA	input resistance: 56Ω
	0-10V	input resistance: 1MΩ
	PT100	2 wire / 3 wire / 4 wire
	PT1000	2 wire / 3 wire / 4 wire
Outputs:	0/4-20mA	max. 400Ω
	0-10V	min. 1kΩ, max. 10 EVG (Osram Quicktronic)
- Resolution **14bit**, sampling rate approx. **6Hz**, error range < **0,01%**
- EMC-values: UNITRO-Standard in accordance with EN 61000

Connection diagram LM 8 ana GT



Technical data:

- Type of construction:**
snap-on housing
145 x 111 x 50mm
- Degree of protection:**
IP20
- Weight:**
approx. 300g
- Climatic conditions:**
in accordance with UNITRO-Standard
- Connection:**
bus and power supply:
screw-type terminals/ plug connection
max. 2,5mm²
inputs and outputs:
screw-type terminals/ plug connection
or spring-loaded terminals max. 1,5mm²
- Function buttons:**
reset button
service button
- Supply voltage:**
24V AC/DC, 220mA ± 10%
- Max. fuse:**
4A medium slow
- LED-display:**
power LED green
service LED yellow: flashing =device not initialized
continuous light = error
- Neuron chip:**
3150, 10 MHz + 64kB Flash-EEPROM
- Transmission LM 8 ana GT:**
LON FTT10A two wire (twisted-pair),
78kbps, max. 2,7km
- Transmission C3 PLT:**
LON-PLT: two wire (C-band 125-145kHz)
4,8kBit/s, max. 30km
in conjunction with phase coupler also
power line transmission on the 230/400V AC
- Bus connection:**
isolated transceiver, 500V disconnecting
insulation voltage
- Analog channels (plug-in cards):**
8 analog channels, **galvanic separated**
(500V_{rms}), with pluggable modules freely
selectable:
inputs: 0/4-20mA input resistance: 56Ω
0-10V input resistance: 1MΩ
PT100 2 wire / 3 wire / 4 wire
PT1000 2 wire / 3 wire / 4 wire
outputs: 0/4-20mA max. 400Ω
0-10V min. 1kΩ, max. 10 EVG
- Resolution per channel:**
14bit
- Error range:**
< 0,01%
- Sampling rate:**
approx. 6Hz
- Leakage distances and clearances:**
in accordance with UNITRO-Standard
- EMC, immunity of interference:**
UNITRO-Standard,
in accordance with EN 61000