



LM 16/0, 8/8R, 16/8R, 0/16R (FTT/PLT) digital IN- Output modules for DIN rail mounting

Type designation:

(PLT inputs and outputs see C3)

LM 16/0

module for DIN rail mounting with
16 Inputs, 24V DC, 4mA 2-pin led out

LM 8/8-R (FTT / RS485)

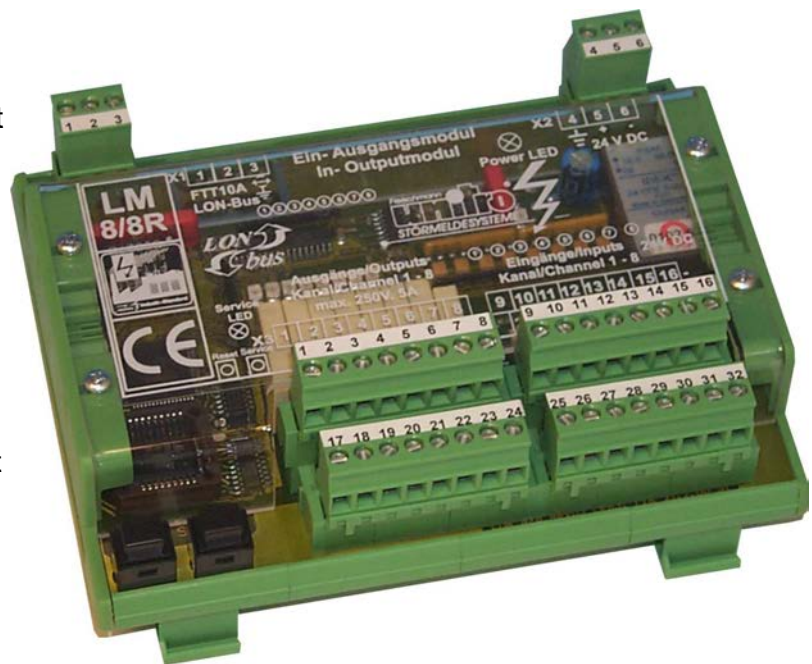
module for DIN rail mounting with
8 Inputs, 24V DC, 4mA 2-pin led out
and 8 relay outputs, 250V AC, 5A,
2-pin led out

LM 16/8-R

module for DIN rail mounting with
16 inputs, 24V DC, 4mA 2-pin led out
and 8 relay outputs, 250V AC, 5A,
2-pin led out

LM 0/16-R

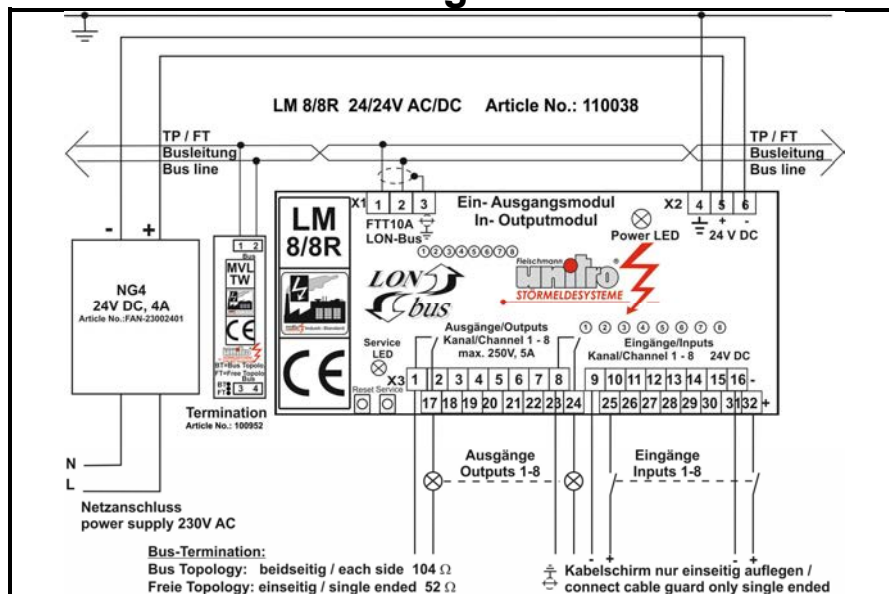
module for DIN rail mounting with
16 relay outputs, 250V AC, 5A,
2-pin led out



System features:

- Snap-on housing for DIN rail mounting
- Degree of protection IP20
- Screw-type terminals, plug connection or spring-loaded terminals for connection, 2,5mm²
- Supply voltage: 24V AC/DC, 150mA ± 10%
- Inputs: 24V DC ± 10%, 4mA, 2-pin led out, separation voltage 2000V_{rms}
- Outputs: Isolated normally open: 250V AC, 5A separation voltage 2000V_{rms}
2-pin led out
- **Inputs and outputs fully isolated**
- 2x decimal switches for custom applications
(Addressing, program selection)
- EMC-values: UNITRO-Standard in accordance with EN 61000

Connection diagram LM 8/8R



Technical data:

- Type of construction:
 snap-on housing
 LM 16/0, 8/8-R, 0/16-R: 145 x 111 x 65mm
 LM 8/8-R RS485 :180 x 111 x 65mm
 LM 16/8-R :200 x 111 x 65mm
- Degree of protection:
 IP20
- Weight:
 LM 16/0, LM 8/8-R: approx. 380g
 LM 0/16-R, 8/8-R RS485: approx. 400g
 LM 16/8-R: approx. 520g
- Climatic conditions:
 in accordance with UNITRO-Standard
- Connection:
 screw-type terminals/ plug connection
 or spring-loaded terminals max. 2,5mm²
- Function buttons:
 reset button
 service button
- Supply voltage:
 24V AC/DC, 150mA ± 10%
- Max. fuse:
 4A medium slow
- Signal voltage:
 24V DC ± 10%, 4mA
 2-pin passed out
 separation voltage 2000V_{rms}
- Response delay:
 25ms
- Minimum signal duration:
 5ms
- LED-display:
 power LED green
 service LED yellow: flashing = device not initialized
 continuous light = error
 for every input and output each 1x red LED
- Neuron chip:
 3150, 10 MHz + 64kB Flash-EEPROM
- Transmission LM 16/0, 8/8-R 16/8-R, 0/16-R:
 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
- Transmission LM 8/8-R RS485:
 LON RS485 two wire (twisted-pair),
 78kbps
- Bus connection:
 isolated transceiver, 500V disconnecting
 insulation voltage
- Relay outputs:
 isolated normally open: 250V AC, 5A
 disconnecting voltage: 2000V_{rms}
 2-pin led out
 inductive load (contactors):
 mount-in anti-interference capacitors at the coils,
 when driving roller shutter / blind motors, etc. by NO, is for
 an external interlock (up / down) to make!
- Leakage distances and clearances:
 in accordance with UNITRO-Standard
- EMC, immunity of interference:
 UNITRO-Standard,
 in accordance with EN 61000