



since 1971
the power to control

Fleischmann
unitro[®]
STÖRMELDESISTEME

LM 16/0 Master/Slave, digital Input modules for DIN rail mounting

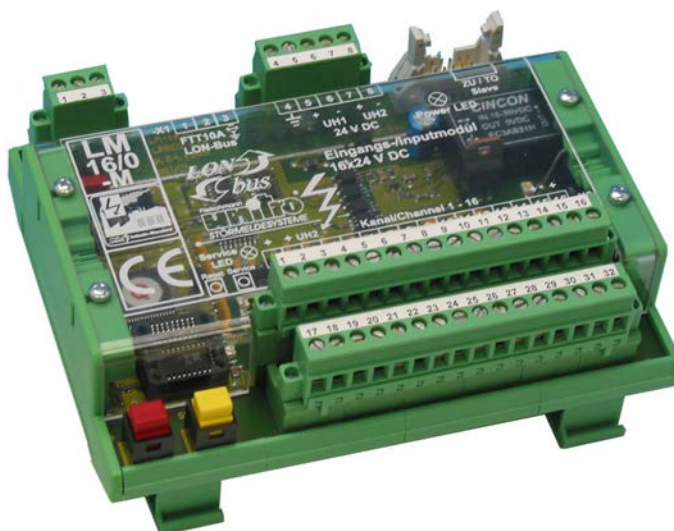
Type designation:

LM 16/0-M (Master)

module for DIN rail mounting with
16 inputs, 24V DC, 6mA
max. 14 slave modules can be connected

LM 16/0-S (Slave)

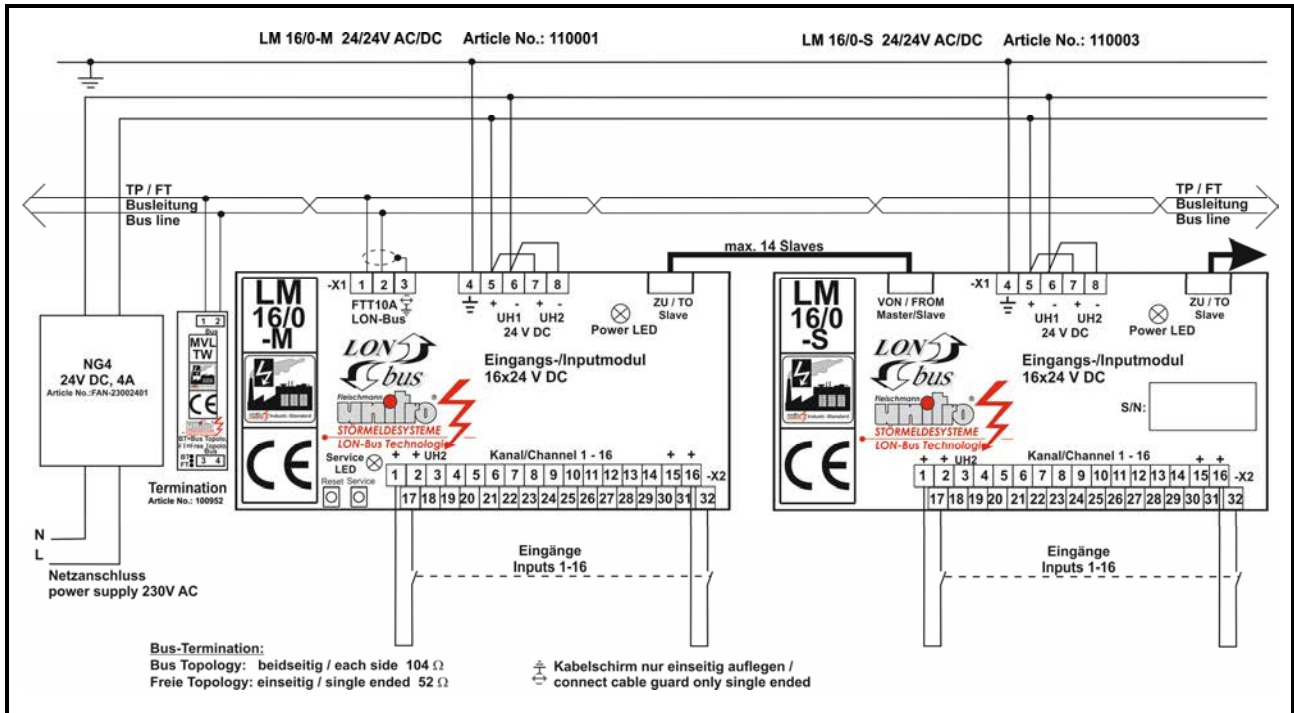
module for DIN rail mounting with
16 Inputs, 24V DC, 6mA



System features:

- Snap-on housing for DIN rail mounting 145 x 111 x 50mm high
- Degree of protection IP20
- Screw-type terminals, plug connection or spring-loaded terminals for connection, 2,5mm²
- Supply voltage: 24 V AC / DC 100mA ± 10%
- 16 Inputs: 24V DC ± 10%, 6mA, 2-pin led out, separation voltage 2000V_{rms}
- Via a plug-bus cable to a total of up to 240 inputs expandable
- EMC-values: UNITRO-Standard in accordance with EN 61000

Connection diagram LM 16/0-M and LM 16/0-S



Technical data:

- Type of construction:
snap-on housing
145 x 111 x 50mm high
- Degree of protection:
IP20
- Weight:
approx. 300g
- 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, 100mA ± 10%
- Max. fuse:
4A medium slow
- Signal voltage:
24V DC ± 10%, 6mA
2-pin led out
separation voltage 2000V_{rms}
- Minimum signal duration:
5ms
- LED-display:
power LED green
service LED yellow
(only LM 16/0-M): flashing = device not initialized
continuous light = error
for every input 1x red LED
- Neuron chip:
3150, 10 MHz + 64kB Flash-EEPROM
- Transmission:
LON FTT10A two wire (twisted-pair),
78kbps, max. 2,7km
- Bus connection:
isolated transceiver, 500V disconnecting
insulation voltage
- Function:
input module LM 16/0-M is by slave modules
to a total of 240 inputs a "1x LON node"
expanded (10-pin plug. internal bus)
caution: a bus monitoring (heard beat) of the
slave modules is not possible
- Leakage distances and clearances:
in accordance with UNITRO-Standard
- EMC, immunity of interference:
UNITRO-Standard,
in accordance with EN 61000