



# LM 32/0 Master/Slave, digital Input modules for DIN rail mounting

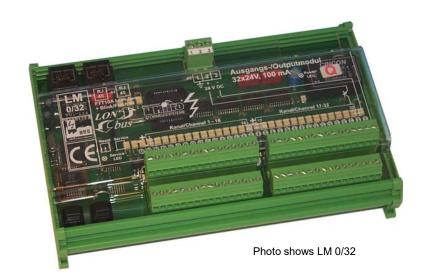
### Type designation:

#### LM 32/0-M (Master)

module for DIN rail mounting with 32 inputs, internal supplied max. 6 slave modules can be connected

#### LM 32/0-S (Slave)

module for DIN rail mounting with 32 inputs, internal supplied



#### **System features:**

- Snap-on housing for DIN rail mounting 195 x 128 x 45mm high
- Degree of protection IP20

Connection: supply screw-type terminals/ plug connection 2,5mm²,

inputs screw-type terminals/ plug connection 1,5mm²,

Lon-bus RJ45

Internal Bus
Master-Slave, Slave-Slave RJ12

Supply voltage: 24V AC/DC 250mA ± 10%

16 Inputs: internal supplied, separation voltage 2000V<sub>rms</sub>

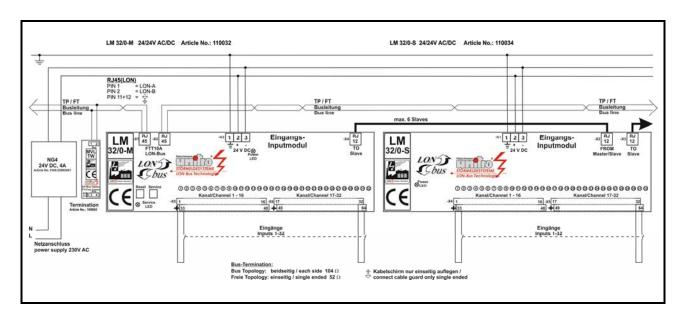
Via a plug-bus cable to a total of up to 224 inputs expandable

EMC-values: UNITRO-Standard in accordance with EN 61000

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## Connection diagram LM 32/0-M and LM 32/0-S



#### Technical data:

- 1. <u>Type of construction:</u> snap-on housing 195 x 128 x 45mm high
- 2. <u>Degree of protection:</u> IP20
- 3. Weight: approx. 400g
- 4. <u>Climatic conditions:</u> in accordance with UNITRO-Standard
- 5. Connection:

power supply: screw-type terminals/ plug

connection max. 2,5mm<sup>2</sup>

inputs: screw-type terminals/ plug

connection max. 1,5mm<sup>2</sup>

master/slave, slave/slave: RJ12 LON-bus (only master): RJ45

- 6. <u>Function buttons:</u> reset button service button
- 7. Supply voltage: 24V AC/DC, 250mA ± 10%
- 8. <u>Max. fuse:</u> 4A medium slow
- 9. Signal voltage:

alarm signal: supplied internally separation voltage: 2000V<sub>rms</sub>

- 10. <u>Minimum signal duration:</u> 5ms
- 11. <u>LED-display:</u>
  power LED green
  service LED yellow
  (only LM 32/0-M): flashing =

device not initialized

continuous light = error

for every input 1x green LED

- 12. <u>Neuron chip:</u> 3150, 10 MHz + 64kB Flash-EEPROM
- 13. <u>Transmission:</u> LON FTT10A two wire (twisted-pair), 78kbps, max. 2,7km
- 14. <u>Bus connection:</u> isolated transceiver, 500V disconnecting insulation voltage
- 15. Function:
  input module LM 32/0-M is by slave modules
  to a total of 224 inputs a "1x LON node"
  expanded (10-pin plug. internal bus)
  caution: a bus monitoring (heard beat) of the
  slave modules is not possible
- 16. <u>Leakage distances and clearances:</u> in accordance with UNITRO-Standard
- 17. <u>EMC, immunity of interference:</u> UNITRO-Standard, in accordance with EN 61000

subject to change Page 128