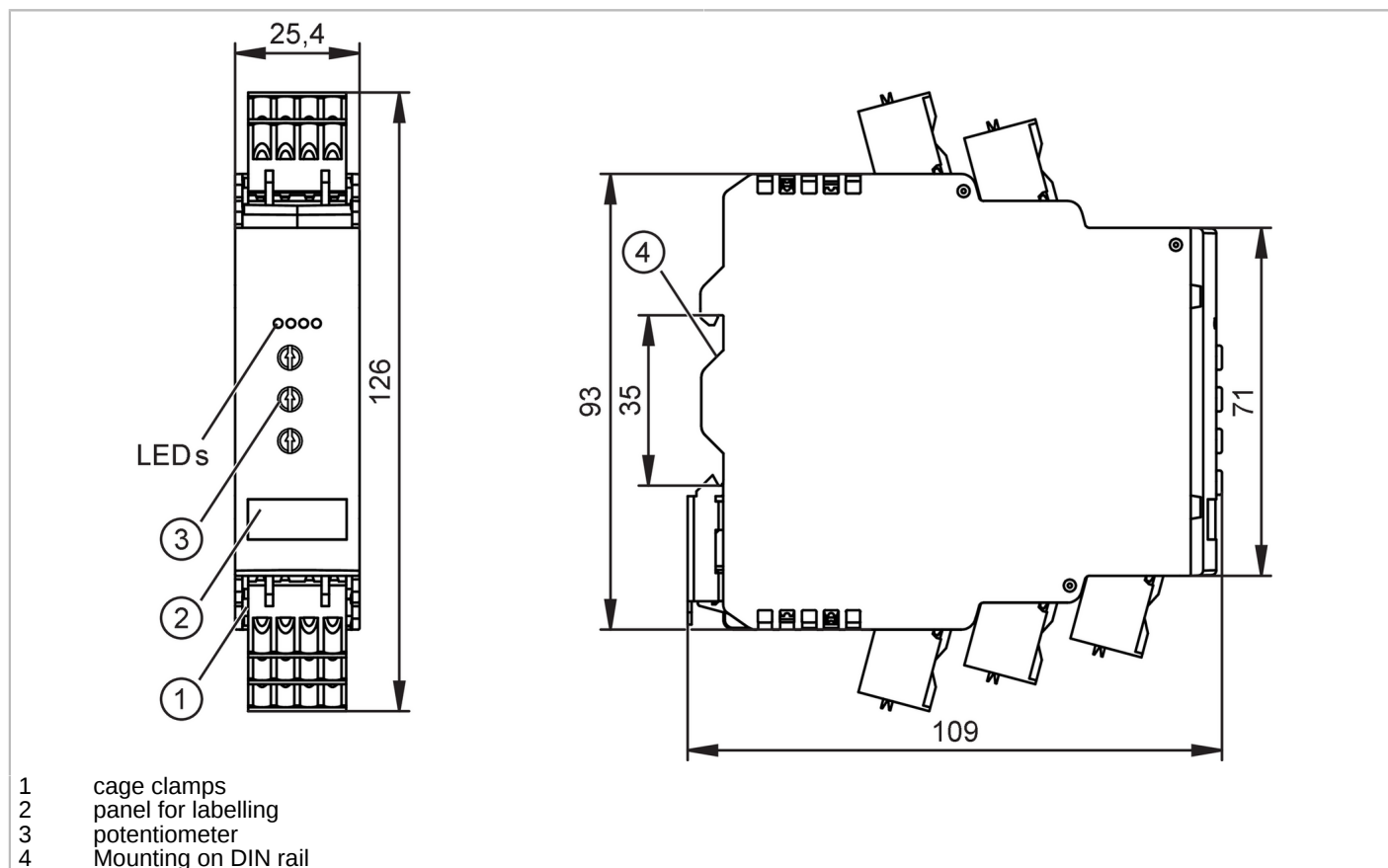


## Evaluation unit for level monitoring/control

L200/LM-1/110-240VAC 24VDC



## Product characteristics

|                 |                 |
|-----------------|-----------------|
| Housing         | rectangular     |
| Dimensions [mm] | 93 x 25.4 x 109 |

## Application

|             |                                                                                                                        |
|-------------|------------------------------------------------------------------------------------------------------------------------|
| Design      | housing for DIN rail mounting                                                                                          |
| Application | overflow protection (sensor with normally closed function);<br>run-dry protection (sensor with normally open function) |

## Electrical data

|                                     |                                                                              |
|-------------------------------------|------------------------------------------------------------------------------|
| Operating voltage [V]               | 110...240 AC / 27 DC; (tolerance: -20 % / +10 % ; DC operation: SELV)        |
| Nominal voltage AC [V]              | 110...240                                                                    |
| Nominal voltage DC [V]              | 27                                                                           |
| Nominal frequency AC [Hz]           | 50...60                                                                      |
| Current consumption [mA]            | AC operation: max. 8 A (including maximum AC supply for additional devices ) |
| Max. power consumption DC [W]       | 4                                                                            |
| Overvoltage category                | II                                                                           |
| Auxiliary energy for sensors DC [V] | 18.5...30; (SELV, Short-circuit proof , ≤ 100 mA)                            |

## Inputs / outputs

|                              |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| Number of inputs and outputs | Number of digital inputs: 2; Number of digital outputs: 1; Number of relay outputs: 1 |
|------------------------------|---------------------------------------------------------------------------------------|



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| Inputs                          |                |                                                                                 |
|---------------------------------|----------------|---------------------------------------------------------------------------------|
| Number of digital inputs        |                | 2; (1 x sensor signal ; 1 x Enable signal)                                      |
| Input circuit of digital inputs |                | PNP; (type 2 according to IEC 61131-2)                                          |
| Input current High              | [mA]           | 6...10                                                                          |
| Input current low               | [mA]           | 0...5                                                                           |
| Switching level high            | [V]            | 11...30                                                                         |
| Switching level low             | [V]            | 0...5                                                                           |
| Outputs                         |                |                                                                                 |
| Number of digital outputs       |                | 1                                                                               |
| Number of relay outputs         |                | 1                                                                               |
| Digital output                  |                |                                                                                 |
| Circuit                         |                | PNP                                                                             |
| Current rating outputs          | [A]            | 0.1                                                                             |
| Short-circuit proof             |                | yes                                                                             |
| Electrically separated          |                | no                                                                              |
| Relay output                    |                |                                                                                 |
| Minimum load current            | [mA]           | 10; (> 12 V)                                                                    |
| Number of relay outputs         |                | 1; (changeover contact)                                                         |
| Contact rating                  |                | 6 A; (max. 240 V AC / 30 V DC see diagram:: Contact rating ; B300: 6000 cycles) |
| Switching frequency AC          | [Hz]           | < 0.1                                                                           |
| Switching frequency DC          | [Hz]           | < 0.1                                                                           |
| Short-circuit proof             |                | no                                                                              |
| Electrically separated          |                | yes                                                                             |
| Software / programming          |                |                                                                                 |
| Parameter setting options       |                | setting of the input and output delay via potentiometer                         |
| Operating conditions            |                |                                                                                 |
| Ambient temperature             | [°C]           | -25...60                                                                        |
| Note on ambient temperature     |                | Contact rating Relay output: B300 max. 50 °C                                    |
| Storage temperature             | [°C]           | -25...70                                                                        |
| Max. relative air humidity      | [%]            | 80; (40 °C: 50 % non condensing)                                                |
| Max. height above sea level     | [m]            | 2000                                                                            |
| Protection                      |                | IP 20; (when mounted)                                                           |
| Protection rating terminals     |                | IP 20                                                                           |
| Pollution degree                |                | 2                                                                               |
| Tests / approvals               |                |                                                                                 |
| EMC                             | EN 61000-6-2   |                                                                                 |
|                                 | EN 61000-6-3   |                                                                                 |
| Electrical safety               | EN 61010-1     |                                                                                 |
|                                 | EN 61010-2-201 |                                                                                 |
| MTTF                            | [years]        | 200                                                                             |
| Mechanical data                 |                |                                                                                 |
| Weight                          | [g]            | 242.5                                                                           |
| Housing                         |                | rectangular                                                                     |

DL0201



Evaluation unit for level monitoring/control

L200/LM-1/110-240VAC 24VDC

|                  |                                         |
|------------------|-----------------------------------------|
| Type of mounting | Mounting on DIN rail; (TH35 (EN 60715)) |
| Dimensions [mm]  | 93 x 25.4 x 109                         |
| Material         | housing: PC-GF20                        |

Displays / operating elements

|         |                |                 |
|---------|----------------|-----------------|
| Display | voltage supply | 1 x LED, green  |
|         | Inputs         | 2 x LED, yellow |
|         | Output         | 1 x LED, green  |

Accessories

|                |                |
|----------------|----------------|
| Items supplied | cage clamps: 5 |
|----------------|----------------|

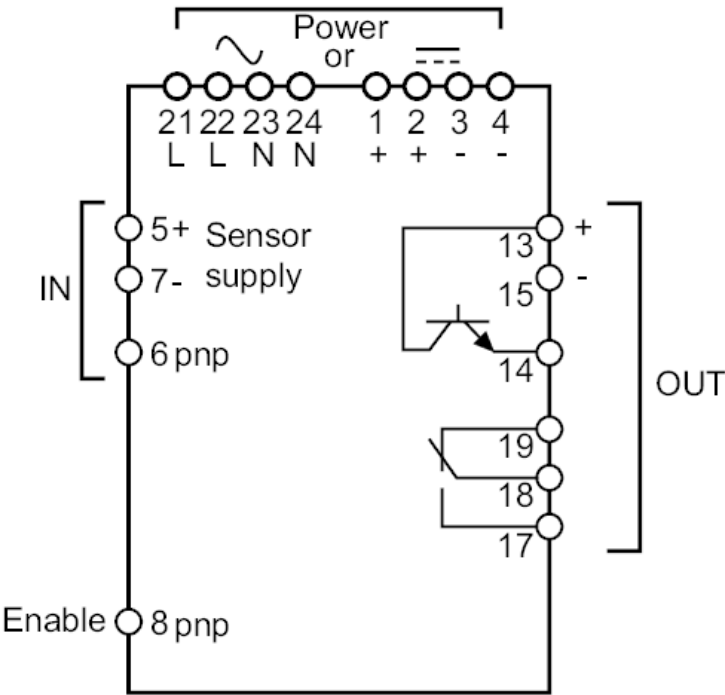
Remarks

|               |                                                                                         |
|---------------|-----------------------------------------------------------------------------------------|
| Remarks       | For information about installation and operation please see the operating instructions. |
| Pack quantity | 1 pcs.                                                                                  |

Electrical connection

cage clamps: ...2.5 mm²

Connection



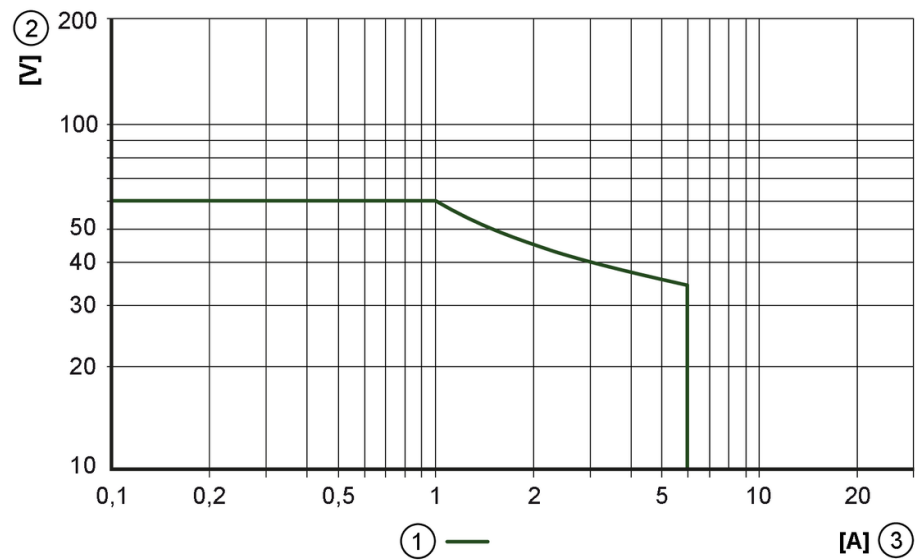


Evaluation unit for level monitoring/control

L200/LM-1/110-240VAC 24VDC

Diagrams and graphs

Contact rating



- 1 resistive load
- 2 Voltage [DC]
- 3 Current [DC]