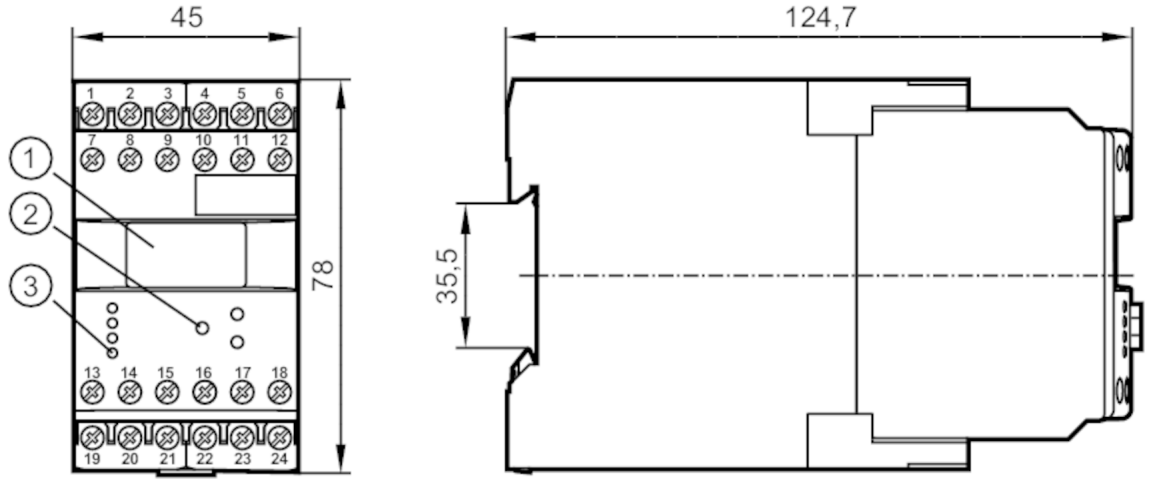
# DR2505

## Evaluation unit for direction and speed monitoring

MONITOR/FD-2 /110-240VAC/DC




1 OLED display
2 Programming buttons
3 LEDs

| | | |
|---|---|---|
| **Product characteristics** | | |
| Housing | | housing for DIN rail mounting |
| Dimensions | [mm] | 78 x 45 x 124.7 |
| **Application** | | |
| Application | | pulse evaluation system with µprocessor for direction monitoring with separate direction indication for "right" and "left" |
| **Electrical data** | | |
| Nominal voltage AC | [V] | 110...240 |
| Nominal voltage DC | [V] | 27 |
| Nominal voltage tolerance | [%] | < 10 |
| Nominal voltage tolerance 2 | [%] | 20...10 |
| Nominal frequency AC | [Hz] | 50...60 |
| Power consumption | [W] | 3 |
| Auxiliary energy for sensors DC | [V] | 19.6...27.7; (SELV, ≤ 150 mA) |
| **Inputs / outputs** | | |
| Number of inputs and outputs | | Number of relay outputs: 2 |
| **Outputs** | | |
| Number of relay outputs | | 2 |
| Contact rating | | 6 A (250 V AC); B300, R300 |
| **Operating conditions** | | |
| Ambient temperature | [°C] | -40...60 |
| Storage temperature | [°C] | -40...85 |
| Max. relative air humidity | [%] | 80; (40 °C: 50 %) |
| Protection | | IP 50 |
| Protection rating terminals | | IP 20 |

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| Tests / approvals | | |
|---|---|---|
| EMC | EN 61010 | 2011 |
| | EMV 89/336/EWG | |
| | EN 61000-6-2 | 2005 |
| | EN 61000-6-4 | 2007 |

| Mechanical data | | |
|---|---|---|
| Weight [g] | 379.5 | |
| Housing | housing for DIN rail mounting | |
| Dimensions [mm] | 78 x 45 x 124.7 | |
| Material | plastics | |

| Displays / operating elements | | |
|---|---|---|
| Display | | OLED display, 128 x 64 pixels luminous |
| | Switching status | LED, green |

| Remarks | |
|---|---|
| Remarks | overvoltage category II; pollution degree 2 |

**Electrical connection**

dual-chamber terminals: 2 x ...2.5 mm²; AWG 14

| | |
|---|---|
| 1 | DC Supply voltage (L-) |
| 2 | DC Supply voltage (L+) |
| 3 | Supply transistor outputs (L+) |
| 4 | sensor signal 1 pnp |
| 5 | DC Sensor supply (L+) |
| 6 | DC Sensor supply (L-) |
| 7 | AC Supply voltage (L) |
| 8 | AC Supply voltage (N) |
| 9 | not used |
| 10 | sensor signal 1 npn |
| 11 | sensor signal 2 pnp |
| 12 | sensor signal 2 npn |
| 13 | Relay 1 common |
| 14 | Relay 1 normally open |
| 15 | Relay 1 normally closed |
| 16 | transistor output 1 pnp |
| 17 | Reset 1 pnp |
| 18 | Reset 2 pnp |
| 19 | Relay 2 common |
| 20 | Relay 2 normally open |
| 21 | Relay 2 normally closed |
| 22 | not used |
| 23 | not used |
| 24 | transistor output 2 pnp |