

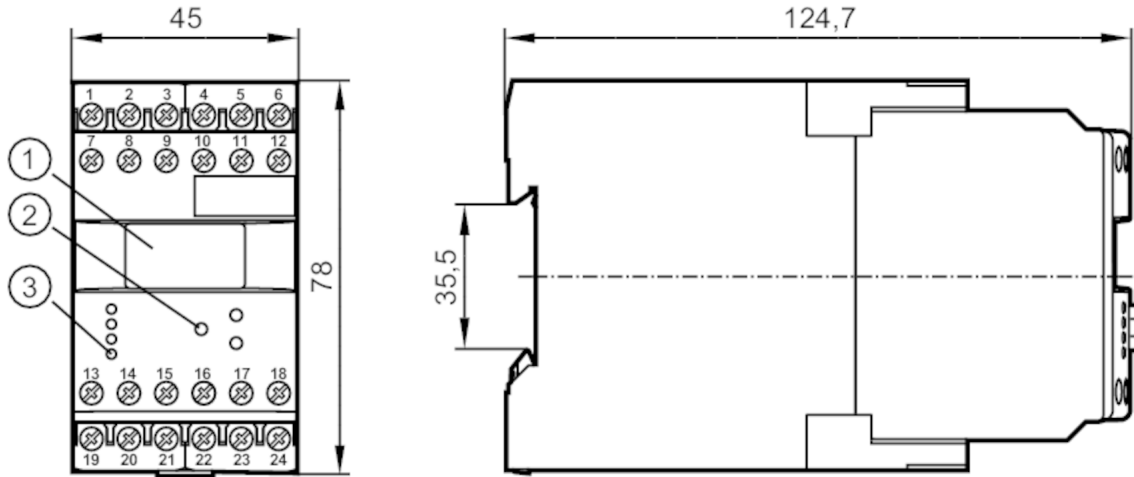
# DS2506



## Evaluation unit for slip and synchronous monitoring

MONITOR/FS-3 /110-240VAC/DC

Article no longer available - archive entry



- 1 OLED display
- 2 programming buttons
- 3 LEDs



### Product characteristics

Dimensions [mm] 78 x 45 x 124.7

### Application

Application pulse evaluation system with microprocessor for synchronous monitoring; evaluation of pulse differences

### 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

### Measuring/setting range

Setting range Hz [Hz] 0.1...1000  
 Setting range [Imp/min] 1...60000

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| 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   |  |
| Tests / approvals              |   |  |
| EMC                            | EN 61010  | 2011                                   |
|                                | EMV 89/336/EWG  |  |
|                                | EN 61000-6-2  | 2005                                   |
|                                | EN 61000-6-4  | 2007                                   |
| Mechanical data                |   |  |
| Weight [g]                     | 382   |  |
| Dimensions [mm]                | 78 x 45 x 124.7   |  |
| Materials                      | plastics  |  |
| Displays / operating elements  |   |  |
| Display                        |   | OLED display, 128 x 64 pixels luminous |
|                                | switching status  | LED, green                             |
| Remarks                        |   |  |
| Remarks                        | The unit complies with overvoltage category II; degree of soiling 2 |  |



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### Electrical connection

dual-chamber terminals: 2 x ...2.5 mm<sup>2</sup>; 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 | release 1/2 pnp                |
| 18 | reset 1/2 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        |