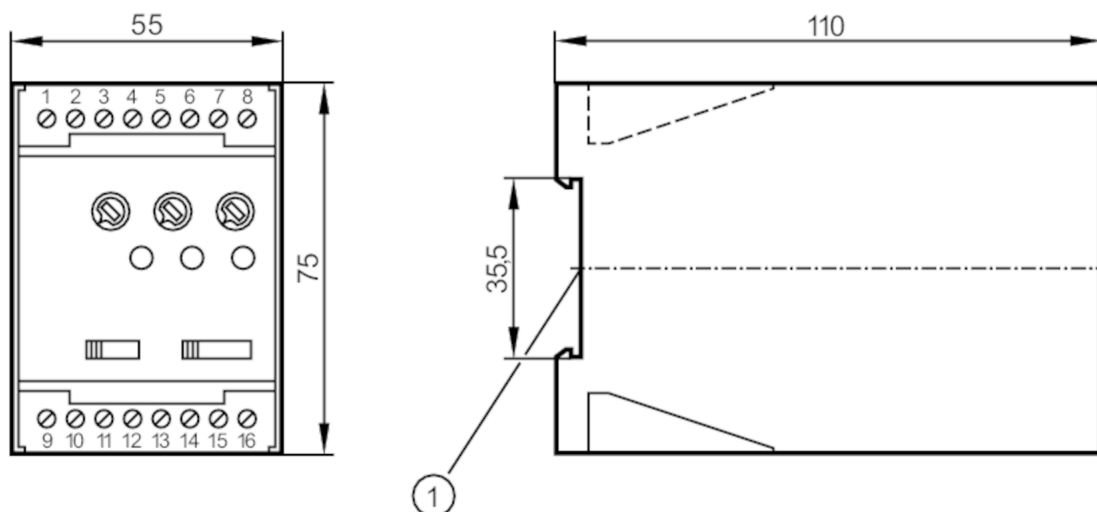




## Evaluation unit for speed monitoring

D100/ 12VDC

Article no longer available - archive entry



1 Mounting on DIN rail



## Product characteristics

|                 |                               |
|-----------------|-------------------------------|
| Housing         | housing for DIN rail mounting |
| Dimensions [mm] | 75 x 55 x 110                 |

## Application

|             |  |
|-------------|--|
| Application | universal evaluation of pulse sequences with regard to overspeed and underspeed; Rotational speed monitoring |
|-------------|--|

## Electrical data

|                                     |                     |
|-------------------------------------|---------------------|
| Nominal voltage DC [V]              | 24                  |
| Nominal voltage tolerance [%]       | 10                  |
| Nominal voltage tolerance 2 [%]     | 10                  |
| Auxiliary energy for sensors DC [V] | 24; ( $\leq 30$ mA) |

## Inputs / outputs

|                              |                            |
|------------------------------|----------------------------|
| Number of inputs and outputs | Number of relay outputs: 1 |
|------------------------------|----------------------------|

## Outputs

|                         |                          |
|-------------------------|--------------------------|
| Number of relay outputs | 1                        |
| Contact rating          | 8 A / 1250 VA / 250 V AC |

## Measuring/setting range

|                         |          |
|-------------------------|----------|
| Setting range [Imp/min] | 5...5000 |
|-------------------------|----------|

## Accuracy / deviations

|                         |         |
|-------------------------|---------|
| Hysteresis [% of Sr]    | 5...100 |
| Repeatability [% of Sr] | 1       |

## Reaction times

|                    |          |
|--------------------|----------|
| Start-up delay [s] | 0.5...15 |
|--------------------|----------|



## Evaluation unit for speed monitoring

D100/ 12VDC

| Software / programming         |   |                               |
|--------------------------------|---|-------------------------------|
| Adjustment of the switch point | fine adjustment within the range with potentiometer |                               |
| Operating conditions           |   |                               |
| Ambient temperature            | [°C]  | -20...70                      |
| Protection                     |   | IP 40                         |
| Protection rating terminals    |   | IP 20                         |
| Mechanical data                |   |                               |
| Weight                         | [g]   | 0.272                         |
| Housing                        |   | housing for DIN rail mounting |
| Dimensions                     | [mm]  | 75 x 55 x 110                 |
| Material                       |   | plastics                      |
| Displays / operating elements  |   |                               |
| Display                        | Switching status                                    | LED, green                    |
|                                | Power   | 1 x LED, green                |

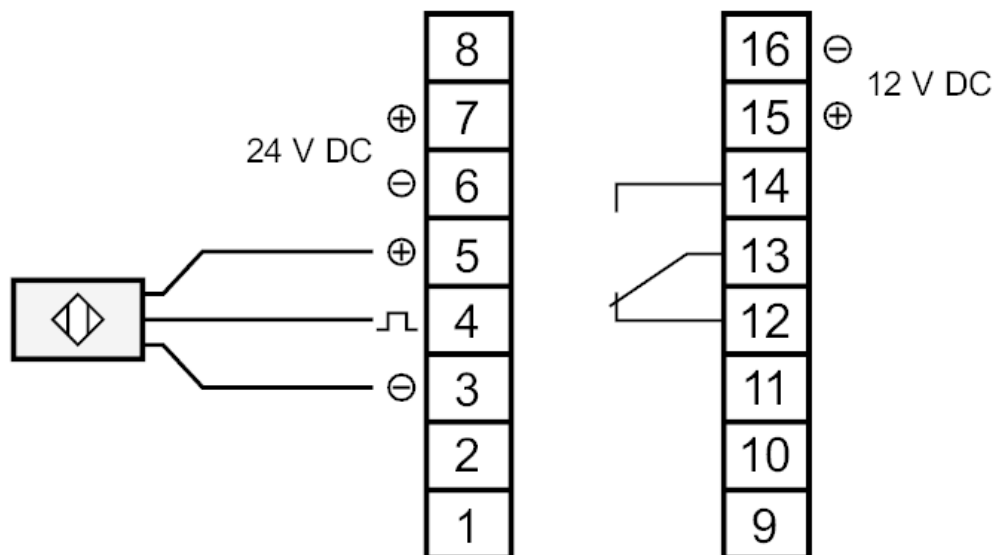


## Evaluation unit for speed monitoring

D100/ 12VDC

## Electrical connection

## Connection



|     |                            |
|-----|----------------------------|
| 01: | not used                   |
| 02: | not used                   |
| 03: | DC Sensor supply (-)       |
| 04: | sensor signal pnp          |
| 05: | DC Sensor supply (+)       |
| 06: | 24 V DC Supply voltage (-) |
| 07: | 24 V DC Supply voltage (+) |
| 08: | not used                   |
| 09: | not used                   |
| 10: | not used                   |
| 11: | not used                   |
| 12: | Relay normally closed      |
| 13: | Relay common               |
| 14: | Relay normally open        |
| 15: | 12 V DC Supply voltage (+) |
| 16: | 12 V DC Supply voltage (-) |