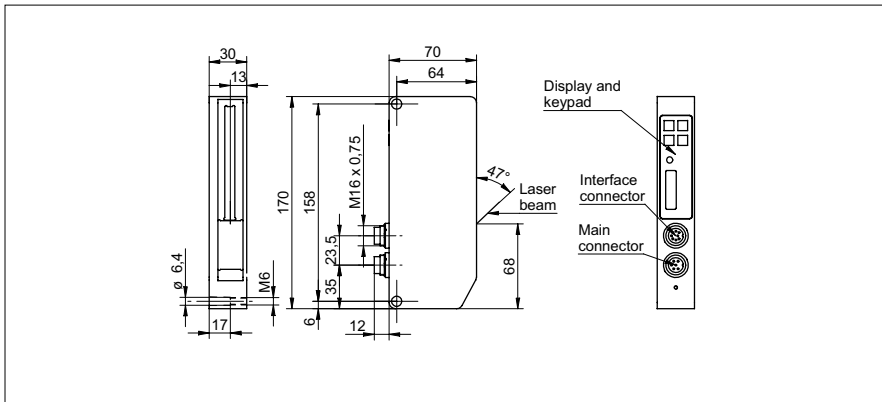


**Copy counters**

**FLDM 170G1011/S42**

**dimension drawing**



**general data**

|                            |  |
|----------------------------|--|
| measuring distance Sd      | 0 ... 90 mm                              |
| optimum operating distance | 70 mm                                    |
| counting rate              | < 3000000 copies/h                       |
| object speed               | 5 m/sec                                  |
| object cycle distance      | > 1 mm                                   |
| sensitivity                | single sheet/edge thickness 0,1 mm       |
| sync. input                | yes                                      |
| measuring point            | visible red laser line 6 mm              |
| light source               | pulsed red laser diode                   |
| wave length                | 670 nm                                   |
| laser class                | 2  |
| edge indicator             | LED yellow                               |
| power on indication        | LED green                                |
| false pulse suppression    | 4 program options                        |
| direct gap detection       | yes                                      |
| sensitivity adjustment     | 4 preset levels or level set by customer |

**electrical data**

|                                    |                             |
|------------------------------------|-----------------------------|
| voltage supply range +Vs           | 10 ... 30 VDC               |
| current consumption max. (no load) | 230 mA                      |
| output circuit                     | push-pull                   |
| output pulse length                | 0,3 ... 100 ms selectable   |
| short circuit protection           | yes                         |
| reverse polarity protection        | yes                         |
| interface                          | serial for ScaDiag software |

**mechanical data**

|                                 |                  |
|---------------------------------|------------------|
| width / diameter                | 30 mm            |
| type                            | rectangular      |
| housing material                | die-cast zinc    |
| connector base (main connector) | DIN 45322, 6 pin |
| connector base (interface)      | DIN 45326, 8 pin |
| front (optics)                  | glass            |

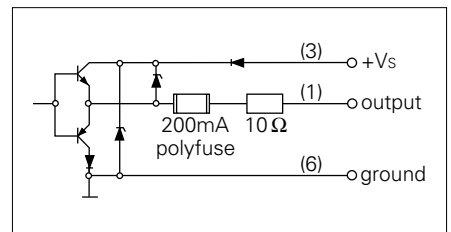
**ambient conditions**

|                       |              |
|-----------------------|--------------|
| operating temperature | 0 ... +50 °C |
| protection class      | IP 54        |

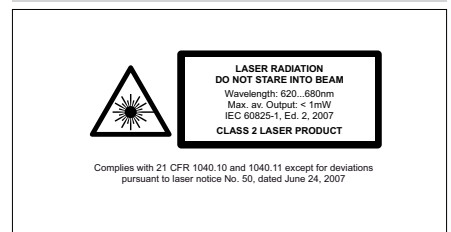
**photo**



**connection diagram**



**laser warning**



- A software package called ScaDiag allows to control all functions and settings.
- Also the software allows to record and display measurement sequences speeding up troubleshooting.