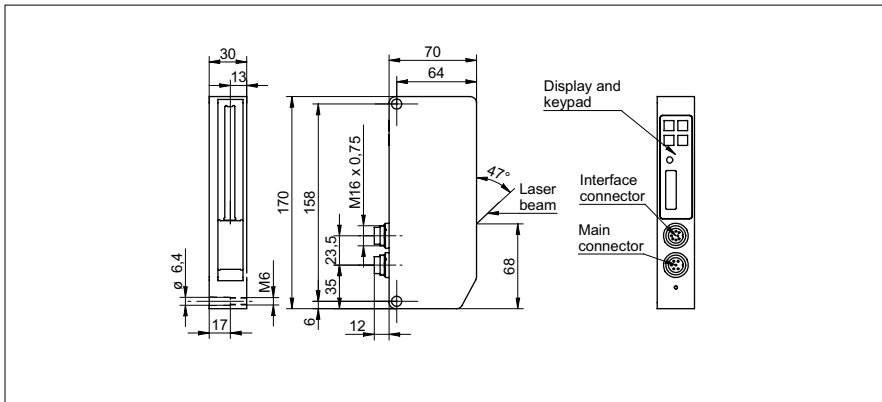


Copy counters

FLDM 170C1011/S42

dimension drawing



general data

| | |
|----------------------------|--|
| measuring distance Sd | 0 ... 90 mm |
| optimum operating distance | 70 mm |
| counting rate | < 3'000'000,00 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 | opto isolated |
| output pulse length | 0,3 ... 500 ms selectable |
| short circuit protection | yes |
| reverse polarity protection | yes |
| interface | serial |

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 |

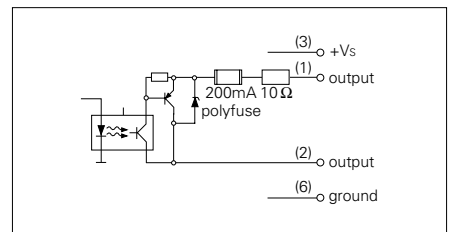
ambient conditions

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

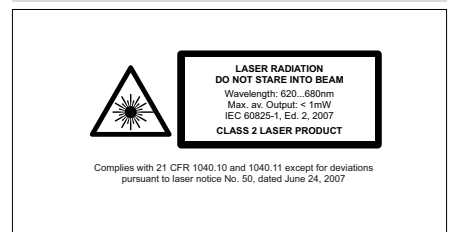
photo



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.