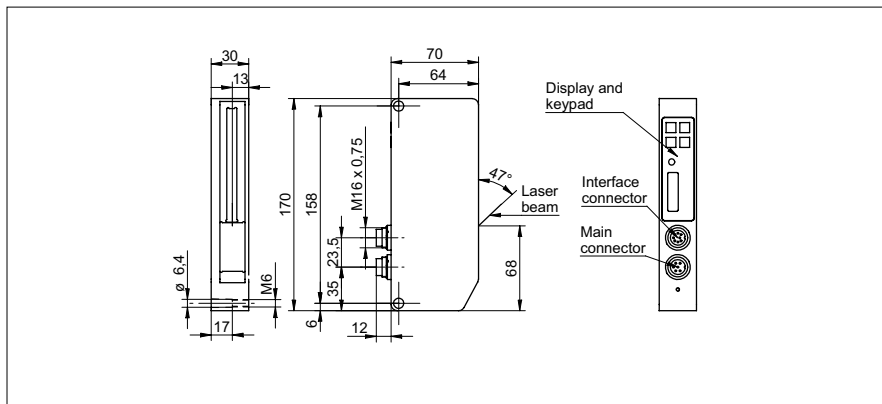


## Copy counters

## 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

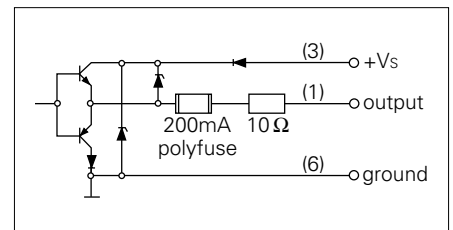
### ambient conditions

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

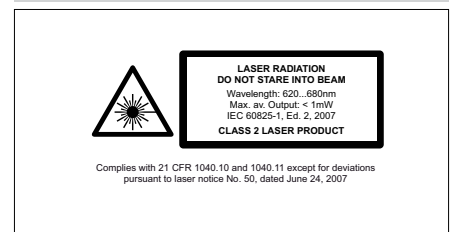
### photo



### 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.