Copy counters

FLDM 170C1011/S42

dimension drawing

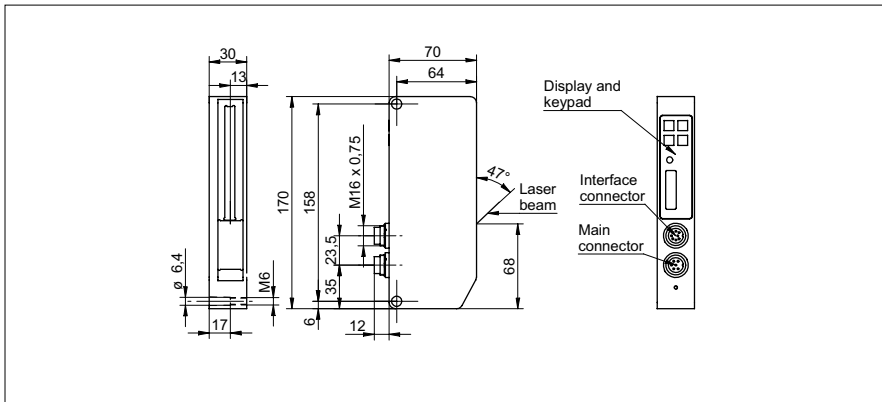## general data

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	opto isolated
output pulse length	0,3 ... 100 ms selectable
short circuit protection	yes
reverse polarity protection	yes
interface	serial for ScaDiag software

mechanical data

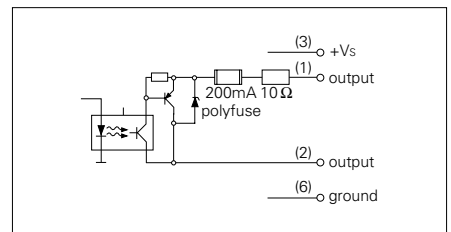|	
width / diameter	30 mm
type	rectangular
housing material	die-cast zinc
connector base (main connector)	DIN 45322, 6 pin
connector base (interface)	DIN 45326, 8 pin
front (optics)	glass

ambient conditions

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

photo

connection diagram

laser warning

**LASER RADIATION
DO NOT STARE INTO BEAM**
Wavelength: 640...670nm

IEC 60825-1, Ed. 3, 2014
CLASS 2 LASER PRODUCT

Complies with 21 CFR 1040.10 and 1040.11 except for deviations
pursuant to laser notice No. 50, dated June 24, 2007

CE cULus LISTED EAC
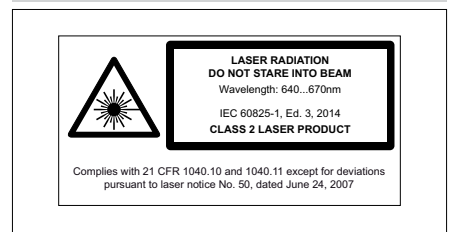
- A software package called ScaDiag allows to control all functions and settings.

- Also the software allows to record and display measurement sequences speeding up troubleshooting.