Copy counters

FLDM 170G1030/S42

dimension drawing

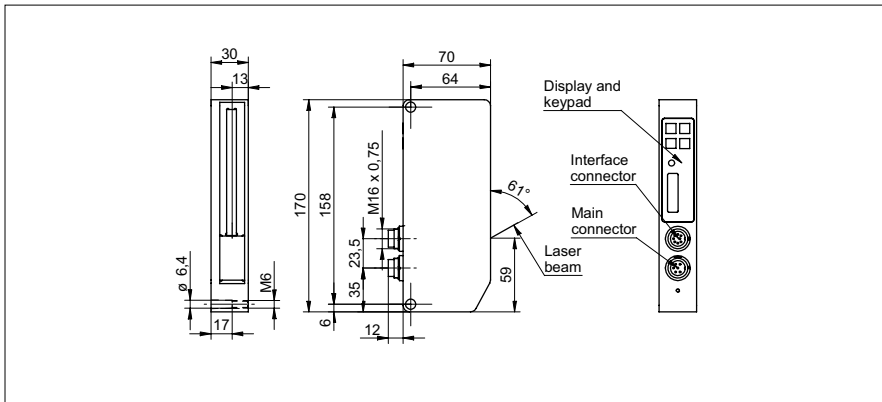## general data

measuring distance Sd	0 ... 120 mm
optimum operating distance	100 mm
counting rate	< 3000000 copies/h
object speed	< 5 m/sec
object cycle distance	> 1 mm
sensitivity	single sheet/edge thickness 0,15 mm
sync. input	yes
measuring point	visible red laser line 8 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

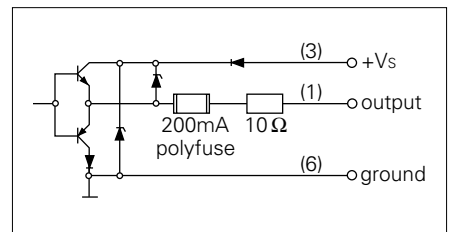|	
width / diameter	30 mm
type	rectangular
housing material	die-cast zinc
connector base (main connector)	DIN 45322, 6 pin
connector base (interface)	DIN 45326, 8 pin
front (optics)	glass

ambient conditions

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

photo

connection diagram

laser warning

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
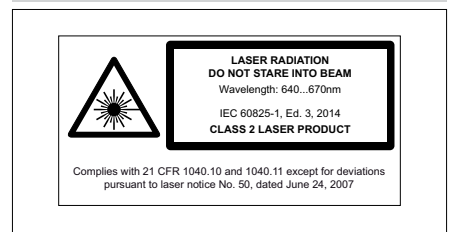
- A software package called ScaDiag allows to control all functions and settings.

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