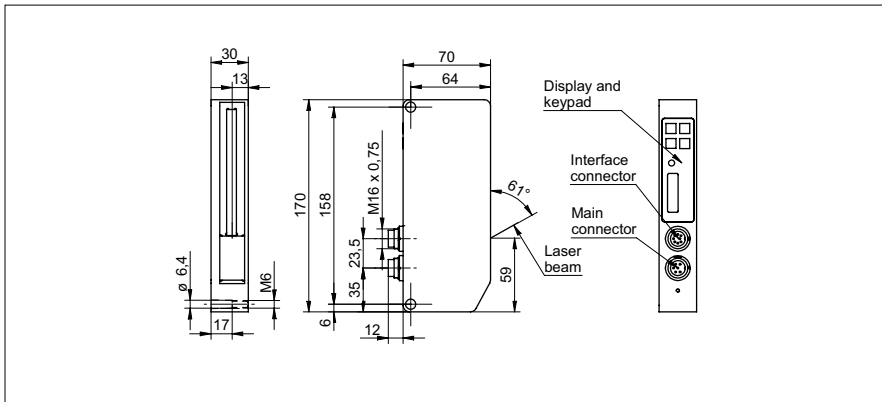


Copy counters

FLDM 170C1030/S42

dimension drawing



general data

measuring distance Sd	0 ... 120 mm
optimum operating distance	100 mm
counting rate	< 3'000'000,00 copies/h
object speed	< 5 m/sec
object cycle distance	> 1 mm
sensitivity	single sheet/edge thickness 0,15 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	opto isolated
output pulse length	0,3 ... 500 ms selectable
short circuit protection	yes
reverse polarity protection	yes
interface	CAN and 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

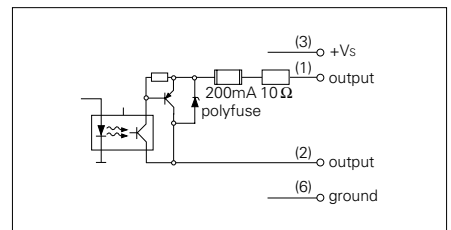
ambient conditions

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

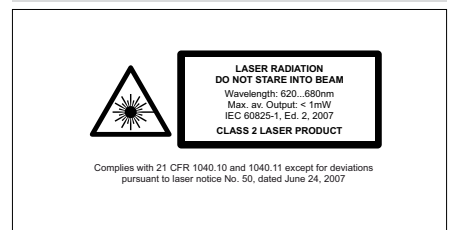
photo



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.