

## FLDM 170G1030/S42

Copy counters - precision

Article number: 10149139

### Overview

- 0 ... 120 mm
- pulsed red laser diode
- push-pull
- 4 preset levels or level set by customer
- 50 °C
- IP 54



### Technical data

#### 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

### Remarks

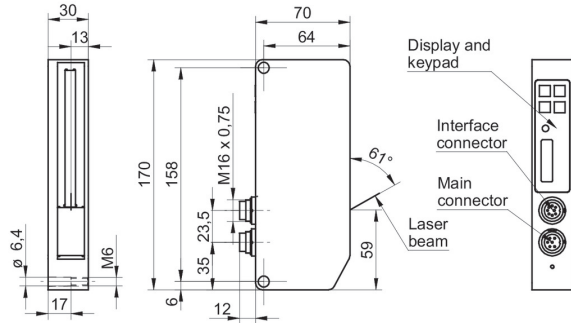
- A software package called ScaDiag allows to control all functions and settings.
- Also the software allows to record and display measurement sequences speeding up troubleshooting.

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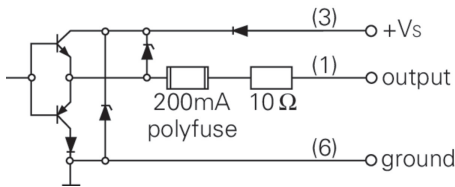
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## Dimension drawing



## Connection diagram



## Laser warning



**LASER RADIATION**  
**DO NOT STARE INTO BEAM**  
Wavelength: 640...670nm  
IEC 60825-1, Ed. 3, 2014  
**CLASS 2 LASER PRODUCT**

IEC 60825-1/2014 Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019