

**Overview**

- 0 ... 120 mm
- pulsed red laser diode
- opto isolated
- high/low switchable
- 50 °C
- IP 54



**Technical data**

**General data**

Measuring distance Sd	0 ... 120 mm
Optimum operating distance	100 mm
Counting rate	< 600000 Copies/h
Object speed	< 5 m/sec
Object cycle distance	> 1 mm
Sensitivity	Single sheet/edge thickness 0,25 mm
Sync. input	No
Measuring point	Visible red laser line 3 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	On/off switchable
Sensitivity adjustment	High/low switchable

**Electrical data**

Voltage supply range +Vs	10 ... 30 VDC
Current consumption max. (no load)	180 mA
Output circuit	Opto isolated
Output pulse length	5 / 10 / 15 / 20 ms selectable
Short circuit protection	Yes
Reverse polarity protection	Yes

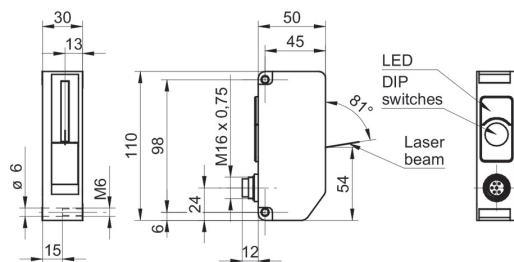
**Mechanical data**

Width / diameter	30 mm
Type	Rectangular
Housing material	PA 6
Connector base (main connector)	DIN 45322, 6 pin
Front (optics)	Glass


**Ambient conditions**

Operating temperature	0 ... +50 °C
Protection class	IP 54

**Dimension drawing**



**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

# FLDK 110C1005/S42

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## Connection diagram

