

FLDK 110G1003/S42

Copy counters - universal

Article number: 10152351

Overview

- 0 ... 60 mm
- pulsed red laser diode
- push-pull
- high/low switchable
- 50 °C
- IP 54



Technical data

General data

Measuring distance Sd	0 ... 60 mm
Optimum operating distance	40 mm
Counting rate	< 600000 Copies/h
Object speed	< 5 m/sec
Object cycle distance	> 1 mm
Sensitivity	Single sheet/edge thickness 0,2 mm
Sync. input	No
Measuring point	Visible red laser line 2 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	Push-pull
Output pulse length	5 / 10 / 15 / 20 ms selectable
Short circuit protection	Yes
Reverse polarity protection	Yes

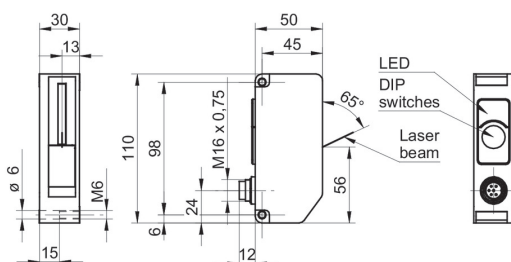
Mechanical data

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

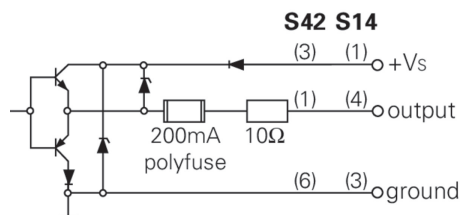
Ambient conditions

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

Dimension drawing



Connection diagram



S42 S14

(3) (1) +Vs

(1) (4) output

200mA polyfuse 10Ω

(6) (3) ground

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