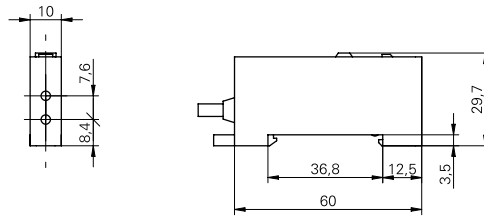


Fiber optic sensors & cables

FVDK 10N83Y0

dimension drawing



general data

version	high sensitivity
actual range Sb (FSE 200C1002)	440 mm
sensing distance Tw (FUE 200C1003)	120 mm
light source	pulsed red LED
light indicator	LED green
alignment / soiled lens indicator	LED green, flashing
output indicator	LED red
adjustment	potentiometer
wave length	680 nm
suppression of reciprocal influence	yes

electrical data

response time / release time	< 0,5 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	35 mA
voltage drop Vd	< 1 VDC
output function	light / dark operate switchable
off delay	40 ms
output circuit	NPN
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

width / diameter	10 mm
height / length	29,7 mm
depth	60 mm
type	rectangular
housing material	polycarbonate/ABS
connection types	cable, 2 m

ambient conditions

operating temperature	-20 ... +60 °C
protection class	IP 40

photo



connection diagram

