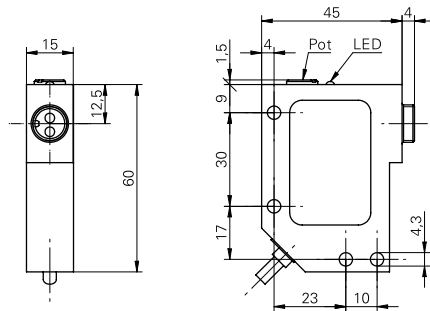


Fiber optic sensors & cables

FVDM 15N5103

dimension drawing



general data

actual range S_b	1200 mm
sensing distance T_w	240 mm
light source	pulsed infrared diode
light indicator	LED yellow
alignment / soiled lens indicator	LED, flashing
adjustment	potentiometer, 20 turn
wave length	880 nm
suppression of reciprocal influence	yes

electrical data

response time / release time	< 1 ms
voltage supply range $+V_s$	10 ... 30 VDC
current consumption max. (no load)	46 mA
current consumption typ.	30 mA
voltage drop V_d	< 1,8 VDC
output function	light / dark operate
output circuit	NPN
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

width / diameter	15 mm
height / length	60 mm
depth	45 mm
type	rectangular
housing material	die-cast aluminum
connection types	cable 4 pin, 2 m

ambient conditions

operating temperature	-25 ... +65 °C
protection class	IP 65

photo



connection diagram

