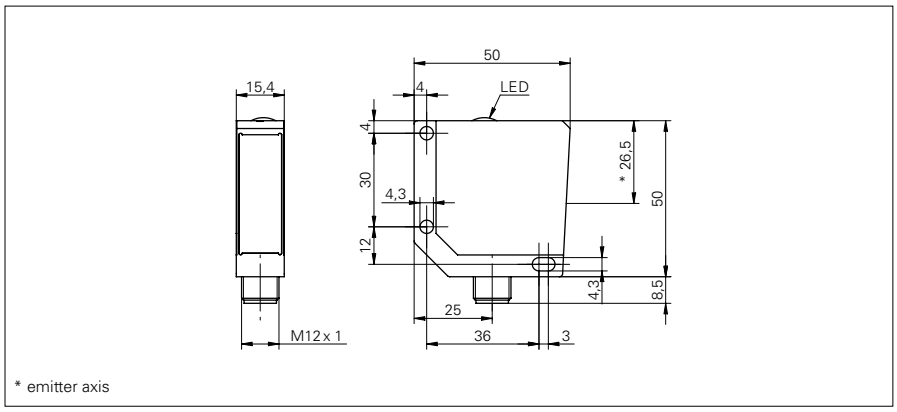
Retro-reflective sensors

FPDM 16P3921/S14

dimension drawing



* emitter axis

general data	
type	retro-reflective sensor
version	for transparent objects
light source	pulsed red LED
actual range Sb	6 m
nominal range Sn	7,2 m
polarization filter	yes
light indicator	LED yellow
sensitivity adjustment	Teach-in
wave length	660 nm

electrical data	
response time / release time	< 2,5 ms
adaption time	< 25 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	50 mA
current consumption typ.	40 mA
voltage drop Vd	< 1,8 VDC
output function	dark operate
output circuit	PNP
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data	
width / diameter	15,4 mm
height / length	50 mm
depth	50 mm
type	rectangular
housing material	die-cast zinc
front (optics)	PMMA
connection types	connector M12 4 pin

ambient conditions	
operating temperature	-25 ... +65 °C
protection class	IP 67

photo



connection diagram

