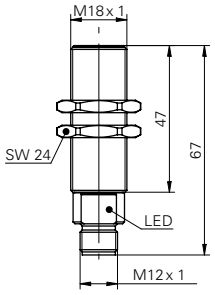
Retro-reflective sensors

FPAM 18N3151/S14

dimension drawing



general data	
type	retro-reflective sensor
light source	pulsed red LED
actual range Sb	3,2 m
nominal range Sn	4 m
polarization filter	yes
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	no
wave length	660 nm
suppression of reciprocal influence	yes

electrical data	
response time / release time	< 1 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max.	35 mA
current consumption typ.	22 mA
voltage drop Vd	< 1,8 VDC
output function	dark operate
output circuit	NPN
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data	
width / diameter	18 mm
height / length	67 mm
type	cylindrical
housing material	brass nickel plated / PC
front (optics)	PMMA
connection types	connector M12, 4 pin

ambient conditions	
operating temperature	-25 ... +55 °C
protection class	IP 67

photo



connection diagram

