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TECHNOLOGY GROUP

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(217) 352-9330 | sales@artisantg.com | artisantg.com

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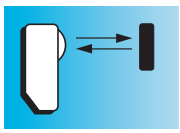
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so your equipment works exactly as you specify.

- Critical and expedited services
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Expert team | Trust guarantee | 100% satisfaction

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Tw = 60 ... 430 mm





- with alarm output
- sensing distance adjustable via Teach-in
- extended sensing distance with lens

general data	
type	intensity difference
light source	pulsed infrared diode
sensing distance Tw	60 ... 430 mm
alignment / soiled lens indicator	flashing light indicator
light indicator	LED green
output indicator	LED yellow
sensitivity adjustment	Teach-in
wave length	880 nm
suppression of reciprocal influence	yes
sensing distance Tw (with doubling lense)	80 ... 800 mm
electrical data	
response time / release time	< 1 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max.	55 mA
current consumption typ.	40 mA
voltage drop Vd	< 1,8 VDC
output function	light / dark operate alarm
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes
mechanical data	
width / diameter	18 mm
type	cylindrical
housing material	brass nickel plated / PC
front (optics)	PC
ambient conditions	
operating temperature	-25 ... +55 °C
protection class	IP 67

connection diagrams



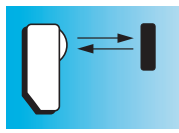
connectors		
ESG 34AH0200	4 pin	2 m straight
ESW 33AH0200	4 pin	2 m angular
additional cable connectors and field wireable connectors, see accessories		

accessories	
SENSOFIX mounting kit	151658
glass cover	103068
doubling lens	107250
cap nut	115913
for details, see accessories section	

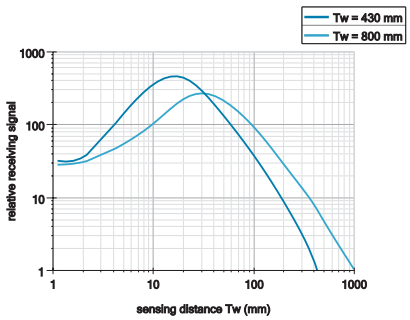
remarks

With doubling lens / cap nut, the sensing distance can be doubled.

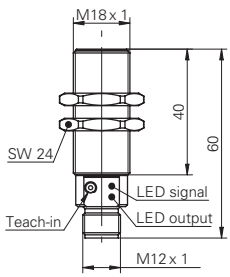
order reference	height / length	connection types	output circuit
FZAM 18N6460	50 mm	cable 4 pin	NPN
FZAM 18N6460/S14	60 mm	connector M12, 4 pin	NPN
FZAM 18P6460	50 mm	cable 4 pin	PNP
FZAM 18P6460/S14	60 mm	connector M12, 4 pin	PNP

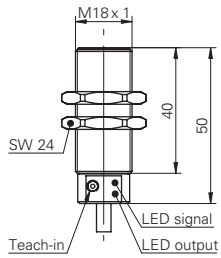


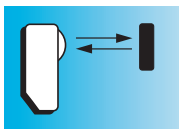
relative receiving signal



dimension drawings







Tw = 20 ... 150 mm

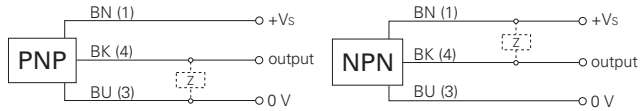


- rugged metal housing
- sensing distance adjustable with potentiometer (axial)
- extended sensing distance with lens

general data	
type	intensity difference
light source	pulsed infrared diode
sensing distance Tw	20 ... 150 mm
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	Pot, 15 turn
wave length	880 nm
suppression of reciprocal influence	yes
sensing distance Tw (with doubling lense)	30 ... 280 mm
electrical data	
response time / release time	< 0,5 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max.	45 mA
current consumption typ.	30 mA
voltage drop Vd	< 1,8 VDC
output function	light operate
output current	< 200 mA
short circuit protection	yes
reverse polarity protection	yes
mechanical data	
width / diameter	18 mm
height / length	50 mm
type	cylindrical
housing material	brass nickel plated / PC
front (optics)	PC
connection types	cable 3 pin
ambient conditions	
operating temperature	-25 ... +55 °C
protection class	IP 65

order reference	output circuit
FZAM 18N1155	NPN
FZAM 18P1155	PNP

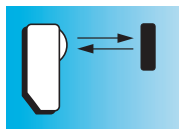
connection diagrams



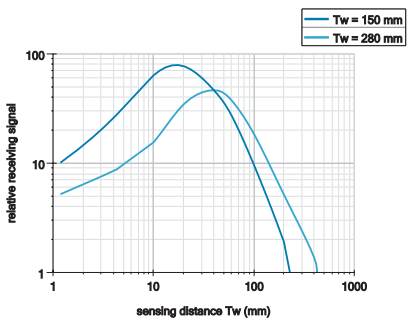
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SENSOFIX mounting kit	151658
glass cover	103068
doubling lens	107250
cap nut	115913
for details, see accessories section	

remarks

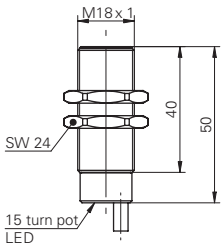
With doubling lens / cap nut, the sensing distance can be doubled.

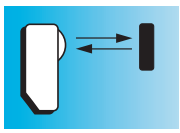


relative receiving signal



dimension drawing





Tw = 60 ... 430 mm

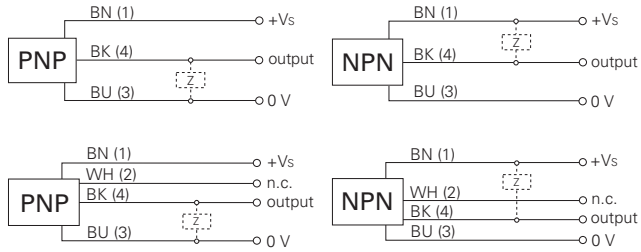




- rugged metal housing
- sensing distance adjustable with radially mounted potentiometer

general data	
type	intensity difference
light source	pulsed infrared diode
sensing distance Tw	60 ... 430 mm
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
sensitivity adjustment	Pot, 270°
wave length	880 nm
suppression of reciprocal influence	yes
sensing distance Tw (with doubling lense)	80 ... 800 mm
electrical data	
response time / release time	< 1 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max.	45 mA
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voltage drop Vd	< 1,8 VDC
output function	light operate
output current	< 200 mA
short circuit protection	yes
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protection class	IP 67

connection diagrams



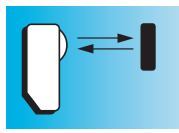
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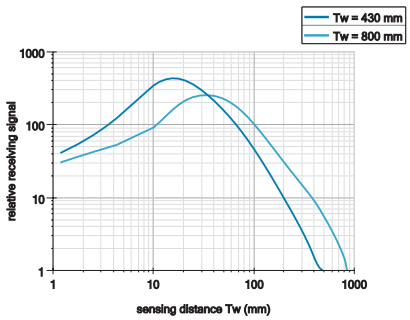
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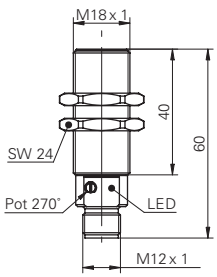
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FZAM 18P1150	50 mm	cable 3 pin	PNP
FZAM 18P1150/S14	60 mm	connector M12, 4 pin	PNP

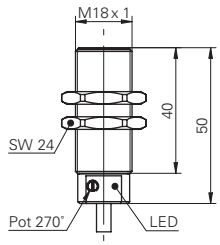


relative receiving signal



dimension drawings





Artisan Technology Group is an independent supplier of quality pre-owned equipment

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