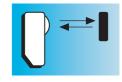
## Diffuse sensor Series 18

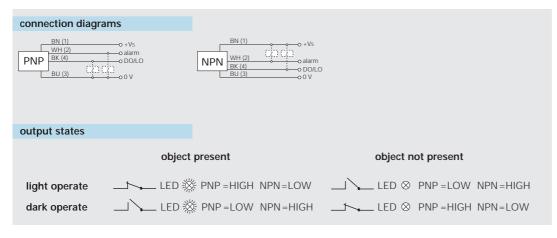


		cable	connector
	light operate		
PNP	dark operate		
	light/dark operate alarm	FZAM 18P6460	FZAM 18P6460/S14
	light operate		
NPN	dark operate		
	light/dark operate alarm	FZAM 18N6460	FZAM 18N6460/S14
technical da	nta		
sensing distance adjustable Tw		20430 mm (curve 182)	20430 mm (curve 182)
sensing distance with doubling lens Tw		30800 mm (curve 184)	30800 mm (curve 184)
output indicator		green LED	green LED
switching state indication		yellow LED	yellow LED
adjustment button / soiled lens indicator		flashing green LED	flashing green LED
light source / wave length		pulsed infrared diode / 880 nm	pulsed infrared diode / 880 nm
voltage supply range		10 - 30 VDC	10 - 30 VDC
	current average value / peak value	40 mA / 55 mA	40 mA / 55 mA
max. switching current		200 mA	200 mA
voltage drop		≤ 1,8 VDC	≥00 IIIA ≤ 1,8 VDC
response time / release time		≤ 1,6 VDC ≤ 1 ms / ≤ 1 ms	≤ 1,6 VDC ≤ 1 ms / ≤ 1 ms
sensitivity ad		Teach-in button	Teach-in button
sensitivity ac	gustinent	reactifit button	reactifit button
short circuit protection		yes	yes
reverse polarity protection		yes	yes
temperature range		-25+55 °C	-25+55 °C
housing material		brass nickel plated / polycarbonate	brass nickel plated / polycarbonate
protection class		IP 67	IP 67
Accessories *doubling lens		107250	107250
*cap nut 10 mm		115913	115913
	glass cover	103068	103068
	cap nut 7 mm	103067	103067
		*must be ordered together	*must be ordered together



## Series 18

- Simple Teach-in functions for sensing range set up
- · Adaptable to fiber optics
- High visibility LED status indicators
- Light-/ dark operate programmable



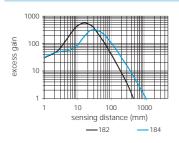
Distance Tw 800 mm

Adaptable fiber optics

Simple Teach-in functions

High visibility LED status

## excess gain curve



## connectors

ES 14 ES 24

ES 33AP2 2 m PUR ES 34AP2 2 m PUR

