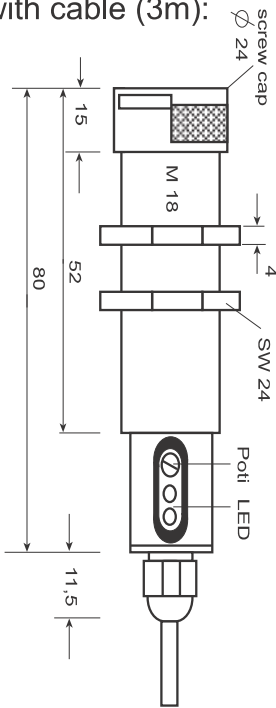


# Photo sensor EFS 1800 . . . .

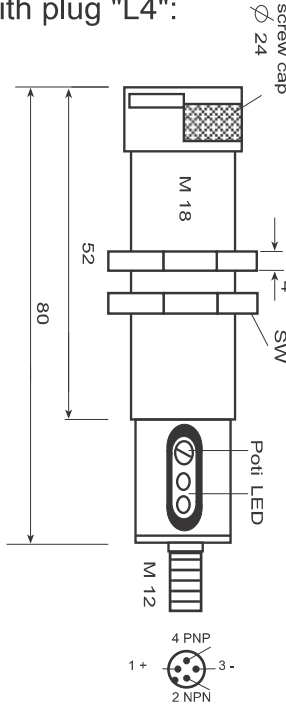
universal reflected light photo sensor

## Dimensions EFS 1800

with cable (3m):



with plug "L4":

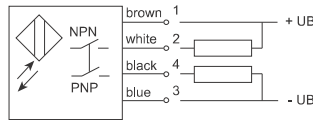


Version 1: cable 3m



Version 2: plug "L4"

- M18 CYLINDER
- SENSING RANGE up to 1.000 mm
- with INFRARED or RED LIGHT



Connections		SN/OP	ON/SP
<p>front switches</p> <p>Switch to reduce the sensing range to one half. The sensing range can then be adjusted more exactly, as the resolution of the potentiometer will be increased.</p> <p>Inverting switch to change between NC and NO output.</p> <p>front design</p>		<p>NC - switching positiv</p> <p>NO - switching negativ</p>	<p>NO - switching positiv</p> <p>NC - switching negativ</p>



electromagnetic compatibility  
emission standard / immunity standard

EN 50081 - 1 / EN 50082 - 2



These proximity switches are not suited for safety

universal photosensor

M 18 x 1 threaded cylinder

sensing range dependent on glass fibre optic used  
with polarisation filter to 1.000 mm adjustable

## Electric data

operating voltage :	10 - 30 VDC	sensitivity adjustment :	potentiometer
max. residual ripple :	10 %	reference material :	white 400 x 400 mm
polarity reversal protection :	built in	used light :	IR 880 nm
power consumption ( no load ) :	25 mA	hysteresis :	10 %
power supply in switched position (without output current) :	47 mA	interfering light :	EN 60947-5-2
output current :	200 mA	<b>Physical data</b>	
short circuit protection :	built in	casing :	brass nickel plated
switching frequency :	1 Khz / 5 Khz	protection :	IP 65
power control :	LED green	weight :	200 g / 100 g
output signal indicator :	LED yellow	ambient temperature range :	-10°C... + 60 °C
intensity control:	LED red	cable or plug connection	
standby delay :	≤ 300m		

### order codes for series : EFS 1800 . . . .

e.g. : Infrared photo sensor - N.O./N.C. - PNP/NPN - standard - plug L4 (M12)

**type :** EFS 1800 - 1 1 1 1 2

