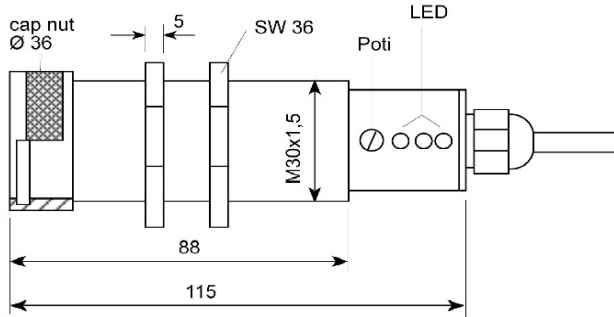


FOT 30 ...

Passive sensor

Light Sensor passive in M30-cylinder; usable with or without optical fibre

Dimensions



cable version

- evaluates radiation of independent light sources
- switching-threshold adjustable via potentiometer
- with optical fibre also for high temperature applications

FOT 30 -		0	1	1	1	1
Product key		Light ¹	Function	Sensor head	Output	Connection
	1	infrared & VIS ²	100 Hz	optical fibre 30-R	pnp/npn, inv. ⁴	cable PUR
	2	infrared	-	-	-	plug M12/4
	3	-	-	infrared filter	-	-
	4	-	-	lense	-	-
	5	VIS ²	-	-	-	-
	6		-	-	relay N.O. 0,2A ⁴	-
	7		KSQM ³	-	relay N.O. 2A ⁴	-
	8			-	analog (3-8 V)	
	9			protective glass		

1 ... received light spectrum

2 ... VIS = visible light

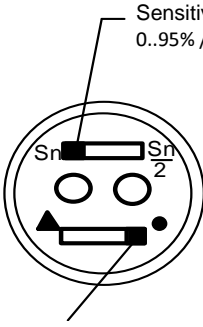
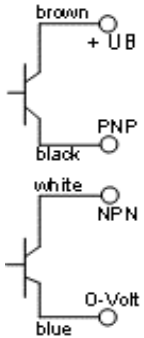
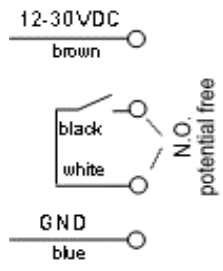
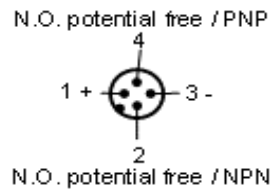
3 ... KSQM = customer specific version

4 ... switching function can be inverted by means of inv. switch

Sensing range $S_n^{1,2}$ (mm)	
depending on extraneous light source	
<p>1 ... adjustment by potentiometer</p> <p>2 ... hysteresis 10%</p>	

Light Sensor passive in M30-cylinder; usable with or without optical fibre

Electrical Data	
Power	12- 30 VDC
Ripple	max. 10 %
Reverse voltage protection	built in
Current consumption idle mode	max. 45 mA
Current consumption switch mode	max. 47 mA
Output current	200 mA
Short circuit protection	built in
Voltage indicator	LED green
Switch mode indicator	LED yellow
Function reserve indicator	-
Switching distance	depending on configuration (refer to table)
Switching frequency	100 Hz
Readiness hold-up	< 300 ms
Tolerance against extraneous light	-
Output	pnp/npn / reed relay / relay change / 3-8 V (depending on spec. type)
Connection	cable PUR 3m / M12 plug L4 (depending on spec. type)
Physical Data	
Light	-
Aperture	16°
Housing	M30x1,5 mm; brass nickel-plated
Protection	IP 65
Mass	330g
Ambient temperature	-10 °C...+ 60 °C

Front switch	Connection scheme		
	transistor	relay	plug connection
 <p>Sensitivity switch: 0..95% // 95..100%</p> <p>Inverting switch</p>			 <p>N.O. potential free / PNP</p> <p>N.O. potential free / NPN</p>