

Photoelectrics Retro-Reflective Type CGPS-UG, DC, Plastic Housing

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- Ultra short body length
- 3m & 6m sensing ranges
- Some models with polarizing filter
- Dual output – N.O. & N.C.
- Supply Voltage: 10 to 30 VDC
- Cable and plug versions
- IP66
- CE marked, UL and cUL approved

Product Description

The CGPS-UG... is a family of cost-effective general-purpose retro-reflective photoelectric sensors in a compact and versatile 18mm housing. They are useful for simple applications where a basic sensor provides adequate sensing performance, or for applications requiring a compact sensor with exceptional sensing range. The sensors are simple to use and easy to install. The sensors have both Normally open and Normally closed outputs, making them versatile for any installation.

Ordering Key

CGPS-UG-6MN-M8

Type _____
 Mode _____
 Sensing Distance _____
 Output _____
 Connection _____

Type Selection

Housing Diameter	Sensing Distance	Output N.O. & N.C.	2 m cable	M8 Connector	M8 Connector w/lead
M18	3m	NPN	CGPS-UG-3MNE*	CGPS-UG-3MNE-M8*	CGPS-UG-3MNE-PG*
M18	3m	PNP	CGPS-UG-3MPE*	CGPS-UG-3MPE-M8*	CGPS-UG-3MPE-PG*
M18	6m	NPN	CGPS-UG-6MN	CGPS-UG-6MN-M8	CGPS-UG-6MN-PG
M18	6m	PNP	CGPS-UG-6MP	CGPS-UG-6MP-M8	CGPS-UG-6MP-PG

*Polarized

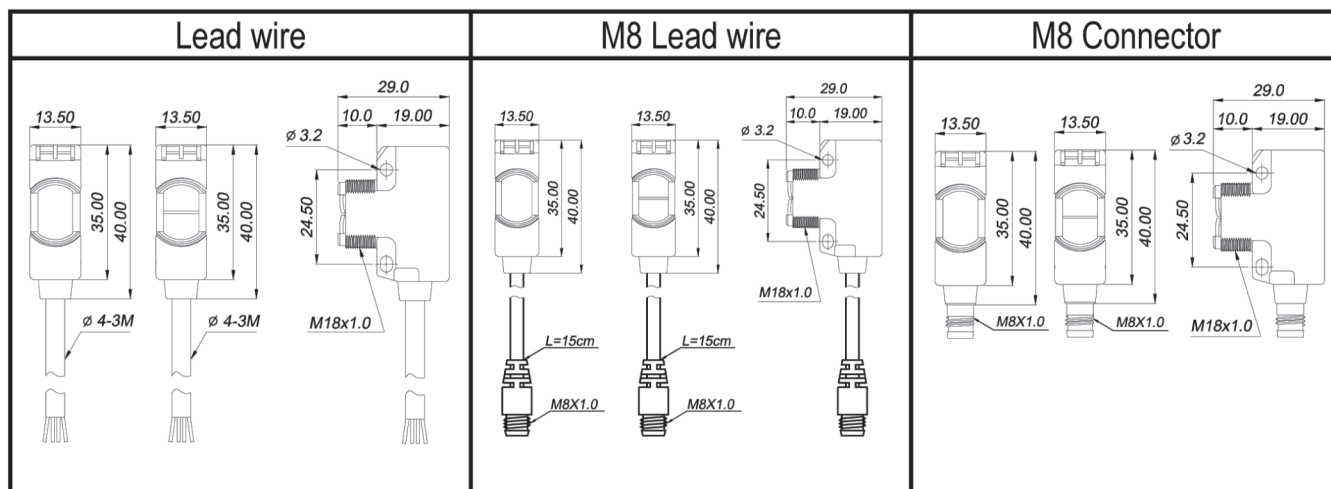
Specifications

Sensing Distance (S_n)		Ambient Light Immunity	Lamplight < 10, 000 Lux Sunlight < 20,000 Lux
Standard	6m	Response Time	1 ms
Polarized	3m	Operating Frequency	1 KHz
Sensitivity	Fixed	Output indication (LED functions)	Green: Power ON Yellow: Output ON
Rated Operational Voltage (U_B)	10 - 30 VDC	Environment	
Ripple (U_{rpp})	< 20%	Overvoltage Category	III
Output Current	150 mA maximum	Pollution degree	3
No Load Supply Current (I_o)	< 25 mA	Degree of protection	IP 66
		Operating Temperature	-20 °C to +80 °C; -4F to +176F 35% - 85% RH

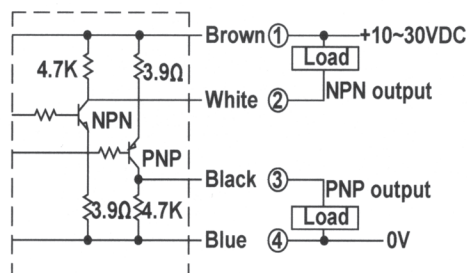
Specifications (con't):

Leakage Current	0.8 mA Maximum	Dielectric Voltage	2.5 kV
Residual Voltage	0.1 V Maximum	Material Housing Lens	Intensive PBT PMMA
Protection	Short Circuit, Reverse Polarity	Connection Cable Plug Pig-tail	2m M8 x 1 M8 Plug w / 6" Cable
Transit Voltage	2 kV / 1µ s	Mating Cable M8 plug	CONG5A - .. series
Light Source	Red LED, 624 nm	Weight Cable version M12 M8 plug version	82 g 23 g 18 g
		Approvals	UL, cUL, CE

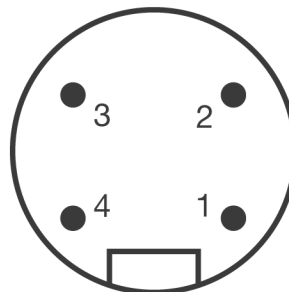
Dimensions:



Wiring Diagram:



Connection Diagram:



Pin1: +v Brown
Pin2: Output N.C. White
Pin4: Output N.O. Black
Pin3: 0v Blue

Other Information:

Accessories:

- CONM54NF-... for models with M8 plug

Delivery Contents:

- Photoelectric sensor
- 1 nut
- 1 mounting bracket
- 1 screwdriver (on models with adjustable sensitivity)

Compliance/Approvals:

