Photoelectrics Diffuse-Reflective Type CGPS-UR, DC, Plastic Housing





- · Ultra short body length
- 100 & 300 mm sensing range
- Dual output NO & NC in single unit
- Supply Voltage: 10 to 30 VDC
- · Cable and plug versions
- IP66
- CE marked, UL and cUL approved

Product Description

The CGPS-UR... is a family of cost-effective general purpose diffuse 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.

Output

Ordering Key	CGPS-UR-10N-M8			
Гуре Mode				
Sensing Distance — Output				
Connection				

Type Selection

Sensing

Housing

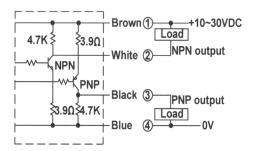
Diameter	Distance	N.O. & N.C.	2 m cable	M8 Connector	M8 Connector w/lead	
M18 M18 M18 M18	100 mm 100 mm 300 mm 300 mm	NPN PNP NPN PNP	CGPS-UR-1 CGPS-UR-2 CGPS-UR-3 CGPS-UR-3	OP CGPS-UR-10P-M8 ON CGPS-UR-30N-M8	CGPS-UR-10N-PG CGPS-UR-10P-PG CGPS-UR-30N-PG CGPS-UR-30P-PG	
Specific	ations					
Sensing Dis Adjustable	tance (S _n)	100 mm & 300) mm	Ambient Light Immunity	Lamplight < 10, 000 Lux Sunlight < 20, 000 Lux	
Sensitivity Adjustment 270°		270° Potention	neter	Response Time Operating Frequency	1 ms 1 KHz	
-	Rated Operational 10 - 30 VDC Voltage (U _B)		Output indication (LED functions)	Green: Power ON Yellow: Output ON		
Ripple (U _{rpp}	_o)	< 20%		Environment Overvoltage Category	III	
Output Curr	rent	150 mA maxii	mum	Pollution degree Degree of protect	3 IP 66	
No Load Su	Load Supply Current (I _O) < 30 mA		Operating Temperature	-20 °C - to +80 °C; -4F to +176F 35% - 85% RH		



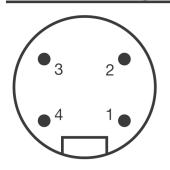
Specifications (con't):

Leakage Current	0.8 mA Maximum	Housing Lens	Intensive PBT PMMA
Residual Voltage	0.1 V Maximum	Connection Cable	2m
Protection	Short Circuit, Reverse Polarity	Plug Pig-tail	M8 x 1 M8 Plug w / 6" Cable
Transient Voltage	2 kV / 1μ s	Mating Cable M8 plug	CONG5A series
Light Source	Infrared LED	Weight Cable version M12 M8 plug version	85 g 25 g 20 g
Dielectric Voltage	2.5 kV	Approvals	UL, cUL, CE

Wiring Diagram:



Connection Diagram:



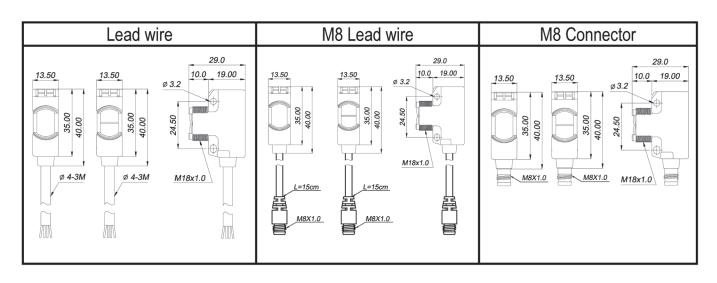
Pin1: +v Brown

Pin2: N.C. Output White

Pin4: N.O. Output Black

Pin3: 0v Blue

Dimensions:





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)			
Compliancy/Approvals:				