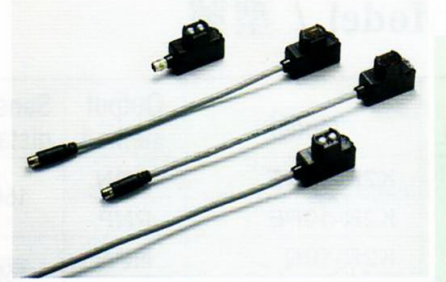


- Multi-fixed method
- Output status : Light ON / Dark ON changeable
- High solid compact construction : IP- 66
- Connection method
  - Lead wire
  - M8 connector
  - Lead wire M8 connector

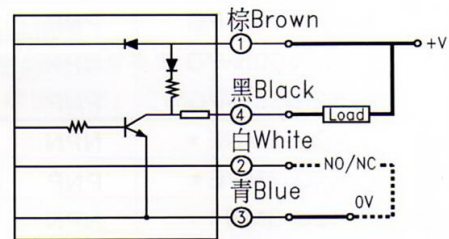


**◆ General Specification**

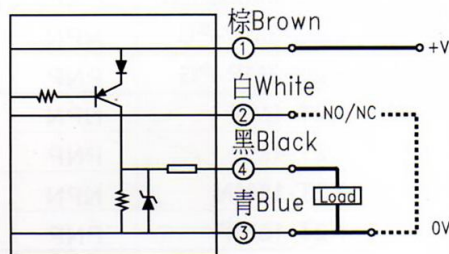
Specification	Data
Operating voltage	10 ~ 30VDC
Ripple of power	20% peak to peak
Output method	NPN or PNP
Output status	Light ON / Dark ON changeable
Output current	150mA max.
Residual voltage	0.1V max.
Leakage current	0.8mA max.
Protection circuit	Short circuit & polarity reversed protection
Housing material	Housing : Intensive PBT ; Lenz : PMMA
Illumination	Lamp light < 10,000Lux ; Sunlight < 20,000Lux
Noise resistance	2kv / 1μs
Dielectric strength	2.5kv / 1 minute min.
Insulation strength	100 MΩ / 500vdc
Operating circumstance	-25°C ~ +80°C ; 35% ~ 85% RH
Protection class	IP-66
Approval	CE / UL / RoHS

**Connection diagram**

**NPN**



**PNP**



**Output status**

NO : White wire is opened  
 NC : White wire is connected to "0V"

**◆ Dimension**

Lead wire	M8 Lead wire	M8 Connector

Type	Model	Output method	Sensing distance	Connection method	Emitter LED	Sensing adjuster	Response time	Operating	
								Voltage	Current
Diffuse	UR-10N	NPN	100mm	Lead wire	Infrared LED	270° Trimmer	1ms	10~30Vdc	30mA Max.
	UR-10P	PNP							
	UR-30N	NPN	300mm						
	UR-30P	PNP							
	UR-10N-M8	NPN	100mm	M8 Connector					
	UR-10P-M8	PNP							
	UR-30N-M8	NPN	300mm						
	UR-30P-M8	PNP							
	UR-10N-PG	NPN	100mm	M8 Lead wire					
	UR-10P-PG	PNP							
	UR-30N-PG	NPN	300mm						
	UR-30P-PG	PNP							
Retro-reflective	UG-3MNE *	NPN	3.0m	Lead wire	Red LED	Non	1ms	10~30Vdc	25mA Max.
	UG-3MPE *	PNP							
	UG-6MN	NPN	6.0m						
	UG-6MP	PNP							
	UG-3MNE-M8 *	NPN	3.0m	M8 Connector					
	UG-3MPE-M8 *	PNP							
	UG-6MN-M8	NPN	6.0m						
	UG-6MP-M8	PNP							
	UG-6MN-PG	NPN	6.0m	M8 Lead wire					
	UG-6MP-PG	PNP							
	UG-3MNE-PG *	NPN	3.0m						
	UG-3MPE-PG *	PNP							
Thru-beam	UT-6MN	NPN	6.0m	Lead wire	Red LED	270° Trimmer	2ms	10~30Vdc	Emitter <20mA Receiver <20mA.
	UT-6MP	PNP			Infrared LED	Non			
	UT-20MN	NPN	20.0m						
	UT-20MP	PNP							
	UT-6MN-M8	NPN	6.0m	M8 Connector	Red LED	270° Trimmer			
	UT-6MP-M8	PNP			Infrared LED	Non			
	UT-20MN-M8	NPN	20.0m						
	UT-20MP-M8	PNP							
	UT-6MN-PG	NPN	6.0m	M8 Lead wire	Red LED	270° Trimmer			
	UT-6MP-PG	PNP			Infrared LED	Non			
	UT-20MN-PG	NPN	20.0m						
	UT-20MP-PG	PNP							
M18 Nut fixed			Horizontal M3 screw fixed			Vertical M3 screw fixed			

\* With Polarized filter