

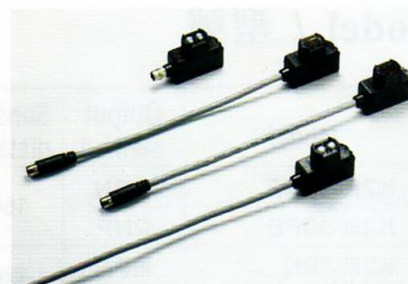
US
Series

M18 Uni-sensor



RoHS

- 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

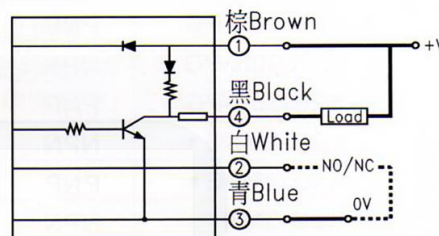


◆ General Specification

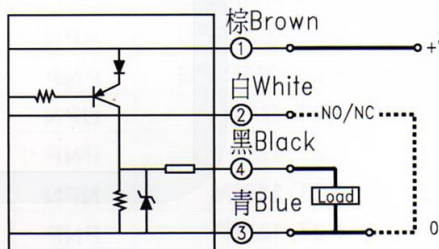
Specification	Data
Operating voltage	10 ~ 30VDC
Ripple of power	20% peak to peak
Output method	NPN or PNP
Output status	Light ON / Dark ON changeable
Output current	150mA max.
Residual voltage	0.1V max.
Leakage current	0.8mA max.
Protection circuit	Short circuit & polarity reversed protection
Housing 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℃ ~ +80℃ ; 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

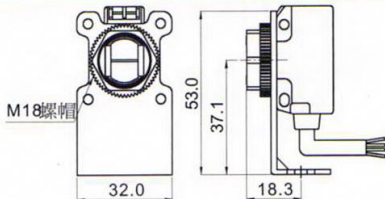
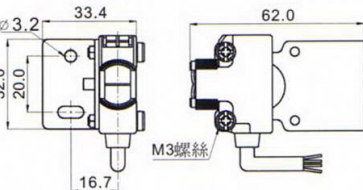
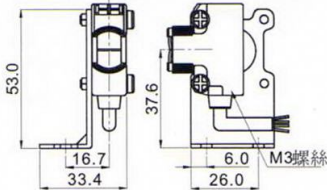
Lead wire	M8 Lead wire	M8 Connector

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

* With Polarized filter