

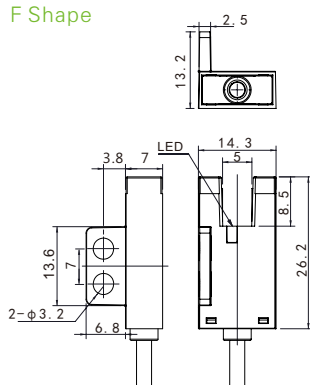
Slot type

Appearance							
Shape	F Shape	T Shape	R Shape	L Shape	K Shape	Y Shape	
Sensing distance	5mm (Slot width)						
Standard sensing objects	Opaque (Size:1.8*0.8mm)						
Repeat accuracy	< 0.03mm						
Output type	NPN or PNP open–collector						
Switch type	Selectable L.on, D.on						
Indicator	Red LED						
Response frequency	3KHz						
Response time	≤0.3ms						
Light source	Infrared LED (940nm)						
Operating voltage	5~24V DC						
Voltage drop	< 1v (load current 50mA,2m cable length)						
No–load supply current	< 20mA						
Protective circuit	Surge protection, Reverse polarity protection						
Ambient temperature	–25℃~+70℃, no freezing						
Ambient humidity	35%~95%RH, no coagulating						
Ambient illuminance	Incandescent lamp ≤1000Lux						
Degree of protection	IP50						
Material	PC						
Connection	2M 4core cable						
NPN	Light on when objects are detected	SF-302N	ST-303N	SR-304N	SL-305N	SK-306N	SY-307N
	Light off when objects are detected	SF-302NA	ST-303NA	SR-304NA	SL-305NA	SK-306NA	SY-307NA
PNP	Light on when objects are detected	SF-302P	ST-303P	SR-304P	SL-305P	SK-306P	SY-307P
	Light off when objects are detected	SF-302PA	ST-303PA	SR-304PA	SL-305PA	SK-306PA	SY-307PA

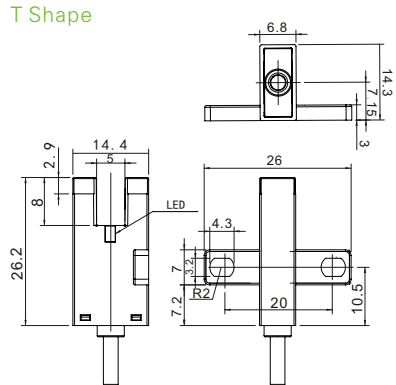
Dimensions

Unit: mm

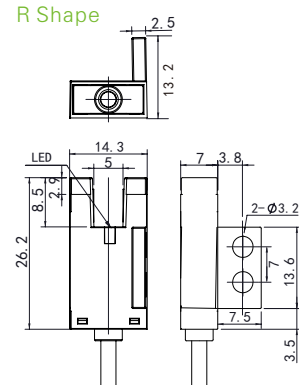
F Shape



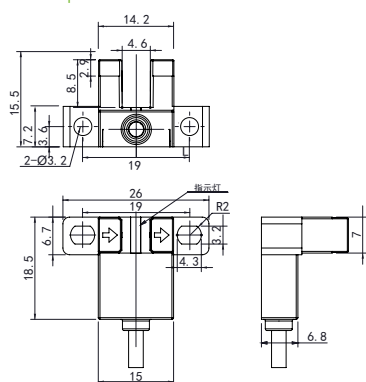
T Shape



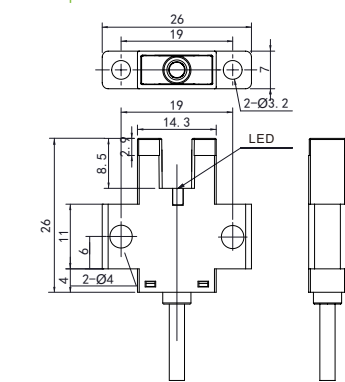
R Shape



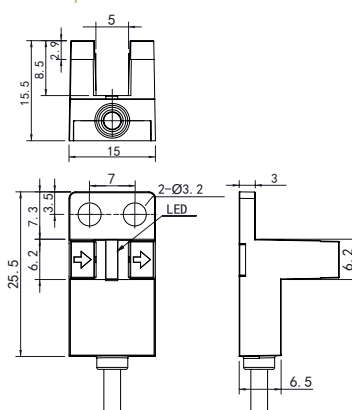
L Shape

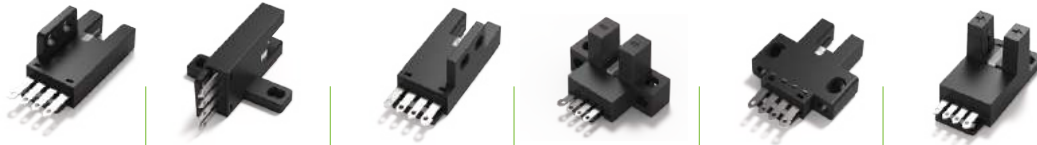


K Shape



Y Shape



Appearance							
Shape	F Shape	T Shape	R Shape	L Shape	K Shape	Y Shape	
Sensing distance	5mm (Slot width)						
Standard sensing objects	Opaque (Size:1.8*0.8mm)						
Repeat accuracy	< 0.03mm						
Output type	NPN or PNP open–collector						
Switch type	Selectable L.on, D.on						
Indicator	Red LED						
Response frequency	5KHz						
Response time	≤0.3ms						
Light source	Infrared LED (950nm)						
Operating voltage	5~24V DC						
Voltage drop	0.2V (load current10mA), 0.6V (load current50mA)						
No–load supply current	≤20mA						
Protective circuit	Over voltage protection, Reverse polarity protection						
Ambient temperature	–10℃~+55℃, no freezing						
Ambient humidity	20%~85%RH, no coagulating						
Ambient illuminance	Incandescent lamp≤1000Lux						
Degree of protection	IP50						
Material	PC						
Connection	Connector						
NPN	Light on when objects are detected	SF-302N-E	ST-303N-E	SR-304N-E	SL-305N-E	SK-306N-E	SY-307N-E
	Light off when objects are detected	SF-302NA-E	ST-303NA-E	SR-304NA-E	SL-305NA-E	SK-306NA-E	SY-307NA-E
PNP	Light on when objects are detected	SF-302P-E	ST-303P-E	SR-304P-E	SL-305P-E	SK-306P-E	SY-307P-E
	Light off when objects are detected	SF-302PA-E	ST-303PA-E	SR-304PA-E	SL-305PA-E	SK-306PA-E	SY-307PA-E

Fiber Optic

Slot Type

Photoelectric

Laser

Proximity

Displacement

Magnetic

Contact

Light Curtains

Ultrasonic

Connectivities

Tester

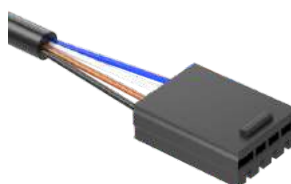
Guidance

Slot type sensors

Micro slot type

Slot type

Cables



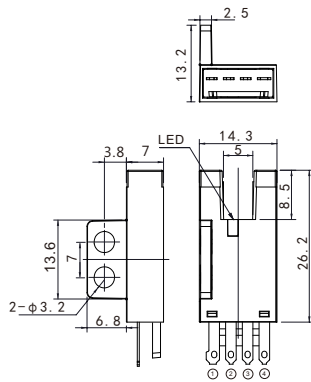


Appearance	
Contact resistance	<10mΩ (<DC100V)
Insertion force	<50N
Pullout force(Cover retaining force)	>20N
Standard cable length	1m、2m
Ambient temperature	-10~+60℃
Material	PBT
Cover	
Contact	Phosphor bronze
Model number	ME-1006

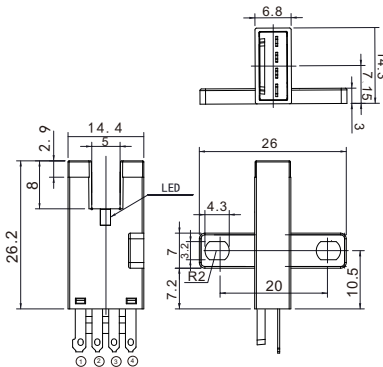
Slot type

Dimensions (Unit:mm)

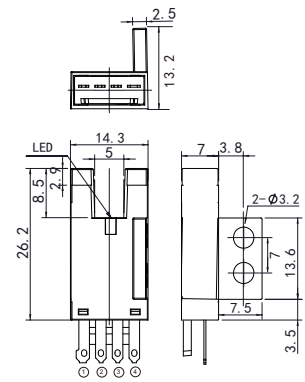
F Shape



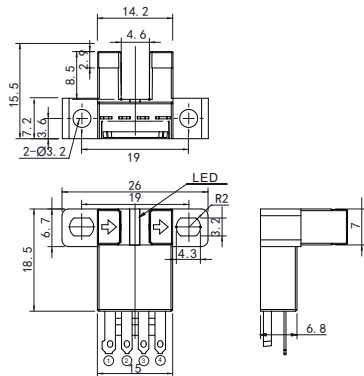
T Shape



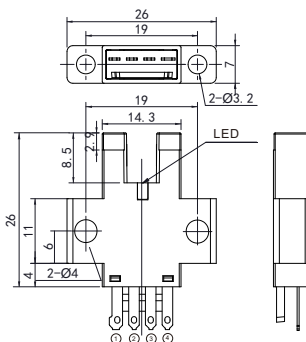
R Shape



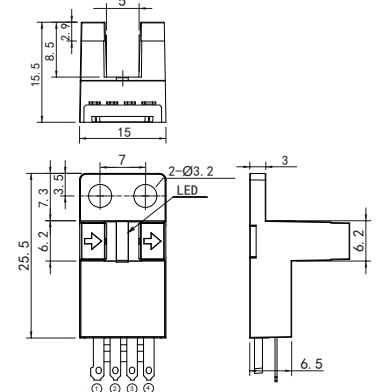
L Shape



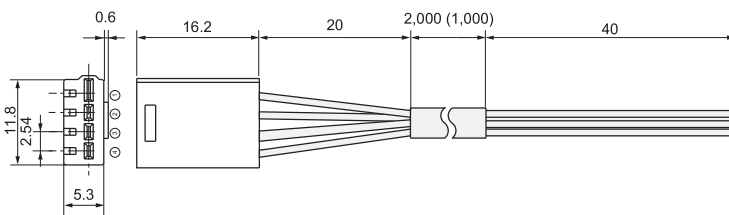
K Shape



Y Shape



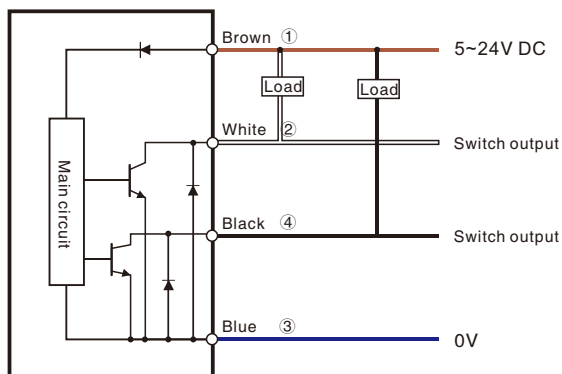
ME-1006



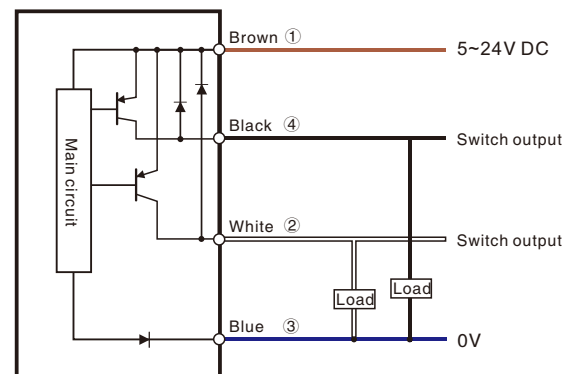
- ①: $\odot$ Brown
 ②: OUT1 White
 ③: OUT2 Black
 ④: $\odot$ Blue

Circuit diagram

DC4-wires NPN

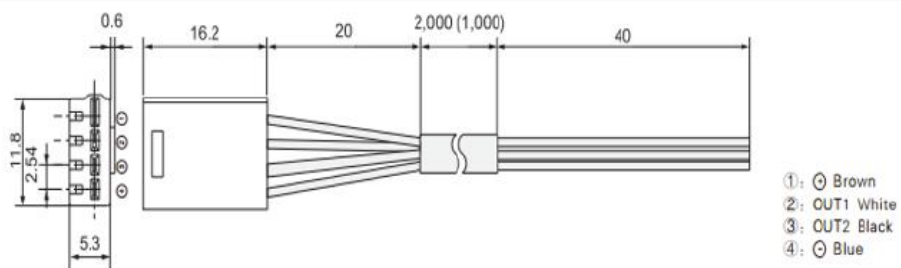
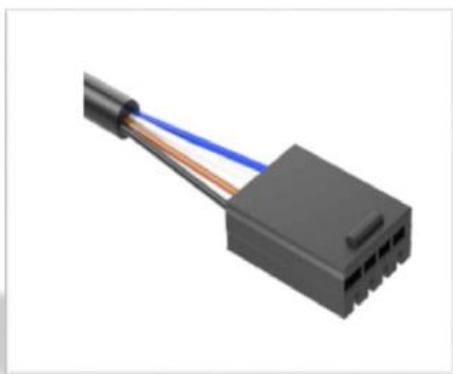


DC4-wires PNP



* Omron EE-SX Series 센서와 상호호환가능

ME-1006



ME-1007

