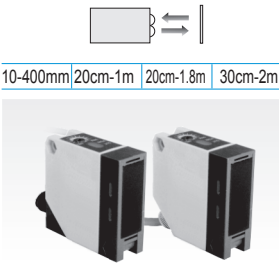
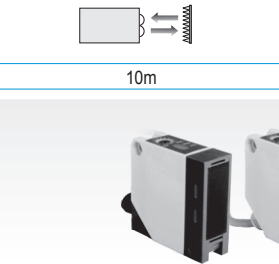
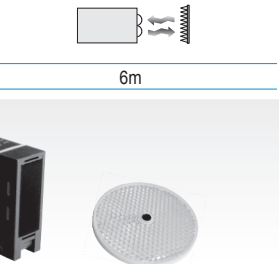
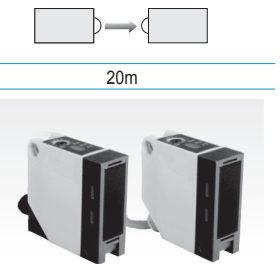


Q50 Series Photoelectric Sensor

DC

Type	Diffuse mode	Retro-reflective mode	Retro-reflective mode (with polarizing filter)	Through-beam mode
Switching distance (sn)	10-400mm 20cm-1m 20cm-1.8m 30cm-2m	10m	6m	20m
Picture				
Nominal Voltage	10-30VDC	10-30VDC	10-30VDC	10-30VDC
Residual Ripple	≤10%	≤10%	≤10%	≤10%
Tolerance	±10%Sn	±10%Sn	±10%Sn	±10%Sn
Hysteresis	10%	10%	10%	10%
Emission	Infrared(880M)	Infrared(880M)	Red(660M)	Infrared(880M)
Output	NPNorPNP(programmable)	NPNorPNP(programmable)	NPNorPNP(programmable)	NPNorPNP(programmable)
Contact	NOorNC(programmable)	NOorNC(programmable)	NOorNC(programmable)	NOorNC(programmable)
Max. Output Current	200mA	200mA	200mA	200mA
Absorption At 30VDC	40mA	40mA	40mA	40mA
Voltage Drop (Sensor On)	≤2.0V(I=100mA)	≤2.0V(I=100mA)	≤2.0V(I=100mA)	≤2.0V(I=100mA)
Yellow LED	Output indicator	Output indicator	Output indicator	Output indicator
Green LED	Supply indicator	Supply indicator	Supply indicator	Supply indicator
Sensitivity Adjustment	Trimmer 1tum	Trimmer 1tum	Trimmer 1tum	Trimmer 1tum
Switching Frequency	200Hz	200Hz	200Hz	200Hz
Response Time	5mS	5mS	5mS	5mS
Start Up Delay	100mS	100mS	100mS	100mS
Short Circuit Protection	Yes	Yes	Yes	Yes
Electric Protections	Yes	Yes	Yes	Yes
Temperature Limits	-10~+60 °C	-10~+60 °C	-10~+60 °C	-10~+60 °C
Light Immunity	>10,000Lux	>10,000Lux	>10,000Lux	>10,000Lux
Protection Degree	IP65	IP65	IP65	IP65
Cable Length	2m(4x0.25mm ²)	2m(4x0.25mm ²)	2m(4x0.25mm ²)	2m(4x0.25mm ²)
Connect	Eurostyle	Eurostyle	Eurostyle	Eurostyle
Reflector type	-	D83(see Page.3)	D83(see Page.3)	-
Housing Material	PBT	PBT	PBT	PBT
Determined with a white mat paper	10x10cm 10x10cm 20x20cm 20x20cm	-	-	-
Weight-cable output-(connector)	-160g-(120g)	-160g-(120g)	-160g-(120g)	-160g-(120g)
Wiring diagram number	-	-	-	-
Diffuse mode:				
Cable output	Sn=400mm	Q50-D0400D-SI4U2		
	Sn=1m	Q50-D1000D-SI4U2		
	Sn=1.8m	Q50-D1800D-SI4U2		
	Sn=2m	Q50-D2000D-SI4U2		
	Sn=400mm	Q50-D0400D-SIEU4		
Connector output	Sn=1m	Q50-D1000D-SIEU4		
	Sn=1.8m	Q50-D1800D-SIEU4		
	Sn=2m	Q50-D2000D-SIEU4		
Retro-reflective mode:				
Cable output	Sn=6m		Q50-L6000D-SR4U2	
	Sn=10m	Q50-L010MD-SI4U2		
Connector output	Sn=6m		Q50-L6000D-SREU4	
	Sn=10m	Q50-L010MD-SIEU4		
Through-beam mode:				
Cable output	Emitter :			Q50-T020MD-EI2L2
	Receiver:			Q50-T020MD-SI4U2
Connector output	Emitter :			Q50-T020MD-EIEL4
	Receiver:			Q50-T020MD-SIEU4

