

C50 SERIES

DC

Type	Diffuse mode				Retro-reflective mode		Retro-reflective mode (with polarizing filter)		Through-beam mode	
Switching distance(sn)	100-400mm	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(880 nm)				Infrared(880 nm)		Red(660 nm)		Infrared(880 nm)	
Output	NPN or PNP (programmable)				NPN or PNP (programmable)		NPN or PNP (programmable)		NPN or PNP (programmable)	
Contact	NO or NC (programmable)				NO or NC (programmable)		NO or NC (programmable)		NO or NC (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 1 tum				Trimmer 1 tum		Trimmer 1 tum		Trimmer 1 tum	
Switching Frequency	200 Hz				200 Hz		200 Hz		200 Hz	
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	Euro style				Euro style		Euro style		Euro style	
Reflectors type	-				D83		D83		-	
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:				Retro-reflective mode:		Retro-reflective mode:		Through-beam mode:	
Cable output	Sn=400mm	LP-D1DS-C50E		1						
	Sn=1m	LP-D2DS-C50E		1						
	Sn=1.8m	LP-D3DS-C50E		1						
	Sn=2m	LP-D4DS-C50E		1						
Connector output	Sn=400mm	LP-D1DS-C50F2		3						
	Sn=1m	LP-D2DS-C50F2		3						
	Sn=1.8m	LP-D3DS-C50F2		3						
	Sn=2m	LP-D4DS-C50F2		3						
Cable output	Sn=6m					LP-R2DS-C50E	1			
	Sn=10m				LP-R1DS-C50E	1				
	Sn=6m					LP-R2DS-C50F2	3			
	Sn=10m				LP-R1DS-C50F2	3				
Cable output	Emitter:								LP-T-C50E-E	2
	Receiver:								LP-TDS-C50E-R	1
	Emitter:								LP-T-C50F2-E	3
	Receiver:								LP-TDS-C50F2-R	3

