

Item Code	PTF		PTF	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	50cm (Adjustable)	100cm (Adjustable)	50cm (Adjustable)	100cm (Adjustable)



Output	NPN NO	PTF-BC50DNO	PTF-BC100DNO	PTF-BC50DNO-E2	PTF-BC100DNO-E2
	NPN NC	PTF-BC50DNC	PTF-BC100DNC	PTF-BC50DNC-E2	PTF-BC100DNC-E2
	NPN NO+NC	PTF-BC50DNR	PTF-BC100DNR	PTF-BC50DNR-E2	PTF-BC100DNR-E2
Output	PNP NO	PTF-BC50DPO	PTF-BC100DPO	PTF-BC50DPO-E2	PTF-BC100DPO-E2
	PNP NC	PTF-BC50DPC	PTF-BC100DPC	PTF-BC50DPC-E2	PTF-BC100DPC-E2
	PNP NO+NC	PTF-BC50DPR	PTF-BC100DPR	PTF-BC50DPR-E2	PTF-BC100DPR-E2

### Technical Parameter

Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Light source	Infrared LED ( 880nm )	Infrared LED ( 880nm )	Infrared LED ( 880nm )	Infrared LED ( 880nm )
Load current	<200mA	<200mA	<200mA	<200mA
Voltage drop	<2.5V	<2.5V	<2.5V	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	< 8.2ms	< 8.2ms	< 8.2ms	< 8.2ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	yes	yes	yes	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP64	IP64	IP64	IP64
Housing material	PC/ABS	PC/ABS	PC/ABS	PC/ABS
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector
Certification	CE	CE	CE	CE

