

Item Code	PTF		PTF	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	NPN NO	PTF-TM10D-E2	PTF-TM10DNO-E2	PTF-TM20D-E2	PTF-TM20DNO-E2
	NPN NC	PTF-TM10D-E2	PTF-TM10DNC-E2	PTF-TM20D-E2	PTF-TM20DNC-E2
	NPN NO+NC	PTF-TM10D-E2	PTF-TM10DNR-E2	PTF-TM20D-E2	PTF-TM20DNR-E2
Output	PNP NO	PTF-TM10D-E2	PTF-TM10DPO-E2	PTF-TM20D-E2	PTF-TM20DPO-E2
	PNP NC	PTF-TM10D-E2	PTF-TM10DPC-E2	PTF-TM20D-E2	PTF-TM20DPC-E2
	PNP NO+NC	PTF-TM10D-E2	PTF-TM10DPR-E2	PTF-TM20D-E2	PTF-TM20DPR-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
Voltage drop	...	<2.5V	...	<2.5V
Consumption current	<25mA	<25mA	<25mA	<25mA
Hysteresis	...	...	...	...
Repeat accuracy	<5%	<5%	<5%	<5%
Response time	...	< 8.2ms	...	< 8.2ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes
Short-circuit protection	...	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	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Certification	CE	CE	CE	CE

