Item Code		PTF		PTF	
Sensing mode		Retro reflection		Retro reflection	
Sensing distance		3m (Non-adjustable)	5m (Non-adjustable)	3m (Non-adjustable)	5m (Non-adjustable)
					
Output	NPN NO	PTF-DM3DNO	PTF-DM5DNO	PTF-DM3DNO-E2	PTF-DM5DNO-E2
	NPN NC	PTF-DM3DNC	PTF-DM5DNC	PTF-DM3DNC-E2	PTF-DM5DNC-E2
	NPN NO+NC	PTF-DM3DNR	PTF-DM5DNR	PTF-DM3DNR-E2	PTF-DM5DNR-E2
Output	PNP NO	PTF-DM3DPO	PTF-DM5DPO	PTF-DM3DPO-E2	PTF-DM5DPO-E2
	PNP NC	PTF-DM3DPC	PTF-DM5DPC	PTF-DM3DPC-E2	PTF-DM5DPC-E2
	PNP NO+NC	PTF-DM3DPR	PTF-DM5DPR	PTF-DM3DPR-E2	PTF-DM5DPR-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		...	...	...	...
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℃	-15...+55℃	-15...+55℃	-15...+55℃
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



