

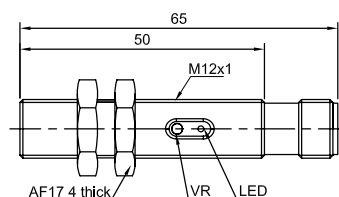
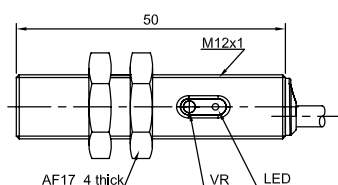
Item Code	PR12S	PR12S
Sensing mode	Diffuse reflection	Diffuse reflection
Sensing distance	15cm (Adjustable)	15cm (Adjustable)



Output	NPN NO	PR12S-BC15DNO		PR12S-BC15DNO-E2	
	NPN NC	PR12S-BC15DNC		PR12S-BC15DNC-E2	
Output	PNP NO	PR12S-BC15DPO		PR12S-BC15DPO-E2	
	PNP NC	PR12S-BC15DPC		PR12S-BC15DPC-E2	

Technical Parameter

Supply voltage	10...30 VDC	10...30 VDC
Light source	Infrared LED (880nm)	Infrared LED (880nm)
Load current	< 200mA	< 200mA
Voltage drop	< 2.5V	< 2.5V
Consumption current	< 25mA	< 25mA
Hysteresis	3...20%	3...20%
Repeat accuracy	< 5%	< 5%
Response time	< 8.2ms	< 8.2ms
Output indicator	Yellow LED	Yellow LED
Polarity protection	yes	yes
Surge protection	yes	yes
Short-circuit protection	yes	yes
Ambient temperature	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%
Protection degree	IP67	IP67
Housing material	PBT	PBT
Connection	2m PVC Cable	M12 Connector
Certification	CE U _I	CE U _I

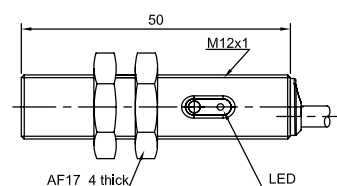
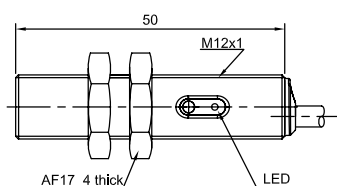


Item Code	PR12S		PR12S	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	5m (Non-adjustable)	5m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)



Output	NPN NO	PR12S-TM5D	PR12S-TM5DNO	PR12S-TM10D	PR12S-TM10DNO
	NPN NC	PR12S-TM5D	PR12S-TM5DNC	PR12S-TM10D	PR12S-TM10DNC
	NPN NO+NC	PR12S-TM5D	PR12S-TM5DNR	PR12S-TM10D	PR12S-TM10DNR
Output	PNP NO	PR12S-TM5D	PR12S-TM5DPO	PR12S-TM10D	PR12S-TM10DPO
	PNP NC	PR12S-TM5D	PR12S-TM5DPC	PR12S-TM10D	PR12S-TM10DPC
	PNP NO+NC	PR12S-TM5D	PR12S-TM5DPR	PR12S-TM10D	PR12S-TM10DPR

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	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U _L	CE U _L	CE U _L	CE U _L

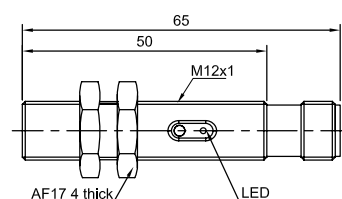
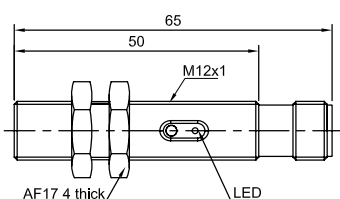


Item Code	PR12S		PR12S	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	5m (Non-adjustable)	5m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)



Output	NPN NO	PR12S-TM5D-E2	PR12S-TM5DNO-E2	PR12S-TM10D-E2	PR12S-TM10DNO-E2
	NPN NC	PR12S-TM5D-E2	PR12S-TM5DNC-E2	PR12S-TM10D-E2	PR12S-TM10DNC-E2
	NPN NO+NC	PR12S-TM5D-E2	PR12S-TM5DNR-E2	PR12S-TM10D-E2	PR12S-TM10DNR-E2
Output	PNP NO	PR12S-TM5D-E2	PR12S-TM5DPO-E2	PR12S-TM10D-E2	PR12S-TM10DPO-E2
	PNP NC	PR12S-TM5D-E2	PR12S-TM5DPC-E2	PR12S-TM10D-E2	PR12S-TM10DPC-E2
	PNP NO+NC	PR12S-TM5D-E2	PR12S-TM5DPR-E2	PR12S-TM10D-E2	PR12S-TM10DPR-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	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT
Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L

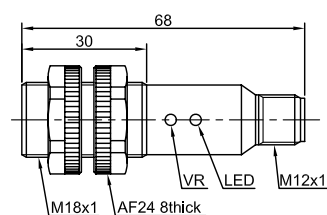
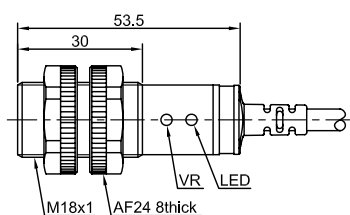


Item Code	PR18S		PR18S	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	10cm (Non-adjustable)	40cm (Adjustable)	10cm (Non-adjustable)	40cm (Adjustable)



Output	NPN NO	PR18S-BC10DNO	PR18S-BC40DNO	PR18S-BC10DNO-E2	PR18S-BC40DNO-E2
	NPN NC	PR18S-BC10DNC	PR18S-BC40DNC	PR18S-BC10DNC-E2	PR18S-BC40DNC-E2
	NPN NO+NC	PR18S-BC10DNR	PR18S-BC40DNR	PR18S-BC10DNR-E2	PR18S-BC40DNR-E2
Output	PNP NO	PR18S-BC10DPO	PR18S-BC40DPO	PR18S-BC10DPO-E2	PR18S-BC40DPO-E2
	PNP NC	PR18S-BC10DPC	PR18S-BC40DPC	PR18S-BC10DPC-E2	PR18S-BC40DPC-E2
	PNP NO+NC	PR18S-BC10DPR	PR18S-BC40DPR	PR18S-BC10DPR-E2	PR18S-BC40DPR-E2

Technical Parameter					
Supply voltage	10...30 VDC	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)	Infrared LED (880nm)
Load current	< 200mA	< 200mA	< 200mA	< 200mA	< 200mA
Voltage drop	< 2.5V	< 2.5V	< 2.5V	< 2.5V	< 2.5V
Consumption current	< 25mA	< 25mA	< 25mA	< 25mA	< 25mA
Hysteresis	3...20%	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	< 5%
Response time	< 8.2ms	< 8.2ms	< 8.2ms	< 8.2ms	< 8.2ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	yes	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	yes	yes	yes	yes	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	M12 Connector
Certification	CE U	CE U	CE U	CE U	CE U

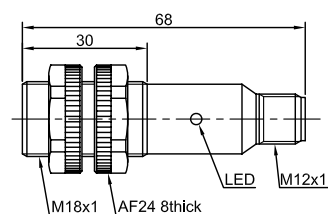
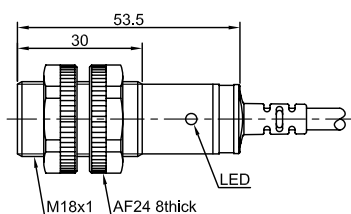


Item Code	PR18S	PR18S
Sensing mode	Retro reflection	Retro reflection
Sensing distance	3m (Non-adjustable)	3m (Non-adjustable)



Output	NPN NO	PR18S-DM3DNO	PR18S-DM3DNO-E2
	NPN NC	PR18S-DM3DNC	PR18S-DM3DNC-E2
	NPN NO+NC	PR18S-DM3DNR	PR18S-DM3DNR-E2
Output	PNP NO	PR18S-DM3DPO	PR18S-DM3DPO-E2
	PNP NC	PR18S-DM3DPC	PR18S-DM3DPC-E2
	PNP NO+NC	PR18S-DM3DPR	PR18S-DM3DPR-E2

Technical Parameter			
Supply voltage	10...30 VDC	10...30 VDC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	< 200mA	< 200mA	
Voltage drop	< 2.5V	< 2.5V	
Consumption current	< 25mA	< 25mA	
Hysteresis	...	...	
Repeat accuracy	< 5%	< 5%	
Response time	< 8.2ms	< 8.2ms	
Output indicator	Yellow LED	Yellow LED	
Polarity protection	yes	yes	
Surge protection	yes	yes	
Short-circuit protection	yes	yes	
Ambient temperature	-15...+55°C	-15...+55°C	
Ambient moisture	35...95%	35...95%	
Protection degree	IP67	IP67	
Housing material	PBT	PBT	
Connection	2m PVC Cable	M12 Connector	
Certification	CE U _L	CE U _L	

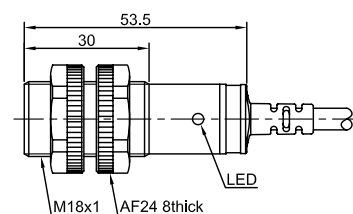
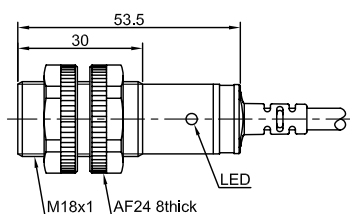


Item Code	PR18S		PR18S	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	NPN NO	PR18S-TM10D	PR18S-TM10DNO	PR18S-TM20D	PR18S-TM20DNO
	NPN NC	PR18S-TM10D	PR18S-TM10DNC	PR18S-TM20D	PR18S-TM20DNC
	NPN NO+NC	PR18S-TM10D	PR18S-TM10DNR	PR18S-TM20D	PR18S-TM20DNR
Output	PNP NO	PR18S-TM10D	PR18S-TM10DPO	PR18S-TM20D	PR18S-TM20DPO
	PNP NC	PR18S-TM10D	PR18S-TM10DPC	PR18S-TM20D	PR18S-TM20DPC
	PNP NO+NC	PR18S-TM10D	PR18S-TM10DPR	PR18S-TM20D	PR18S-TM20DPR

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	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U _L	CE U _L	CE U _L	CE U _L

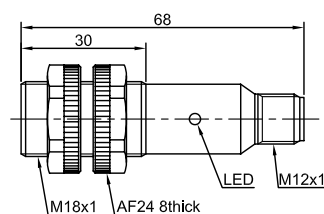
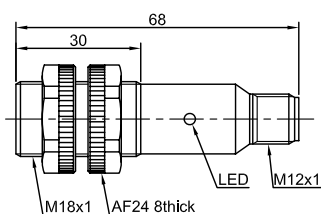


Item Code	PR18S		PR18S	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	NPN NO	PR18S-TM10D-E2	PR18S-TM10DNO-E2	PR18S-TM20D-E2	PR18S-TM20DNO-E2
	NPN NC	PR18S-TM10D-E2	PR18S-TM10DNC-E2	PR18S-TM20D-E2	PR18S-TM20DNC-E2
	NPN NO+NC	PR18S-TM10D-E2	PR18S-TM10DNR-E2	PR18S-TM20D-E2	PR18S-TM20DNR-E2
Output	PNP NO	PR18S-TM10D-E2	PR18S-TM10DPO-E2	PR18S-TM20D-E2	PR18S-TM20DPO-E2
	PNP NC	PR18S-TM10D-E2	PR18S-TM10DPC-E2	PR18S-TM20D-E2	PR18S-TM20DPC-E2
	PNP NO+NC	PR18S-TM10D-E2	PR18S-TM10DPR-E2	PR18S-TM20D-E2	PR18S-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	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT
Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L

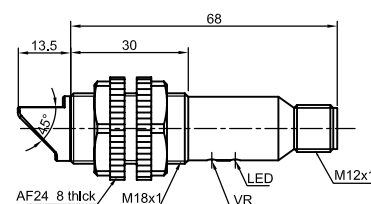
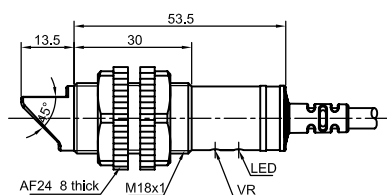


Item Code	PR18GS		PR18GS	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	10cm (Non-adjustable)	40cm (Adjustable)	10cm (Non-adjustable)	40cm (Adjustable)



Output	NPN NO	PR18GS-BC10DNO	PR18GS-BC40DNO	PR18GS-BC10DNO-E2	PR18GS-BC40DNO-E2
	NPN NC	PR18GS-BC10DNC	PR18GS-BC40DNC	PR18GS-BC10DNC-E2	PR18GS-BC40DNC-E2
	NPN NO+NC	PR18GS-BC10DNR	PR18GS-BC40DNR	PR18GS-BC10DNR-E2	PR18GS-BC40DNR-E2
Output	PNP NO	PR18GS-BC10DPO	PR18GS-BC40DPO	PR18GS-BC10DPO-E2	PR18GS-BC40DPO-E2
	PNP NC	PR18GS-BC10DPC	PR18GS-BC40DPC	PR18GS-BC10DPC-E2	PR18GS-BC40DPC-E2
	PNP NO+NC	PR18GS-BC10DPR	PR18GS-BC40DPR	PR18GS-BC10DPR-E2	PR18GS-BC40DPR-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	IP65	IP65	IP65	IP65	
Housing material	PBT	PBT	PBT	PBT	
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	
Certification	CE U _L	CE U _L	CE U _L	CE U _L	

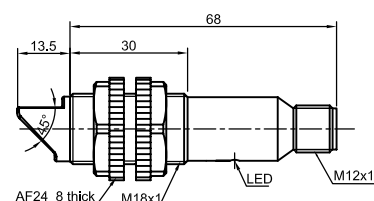
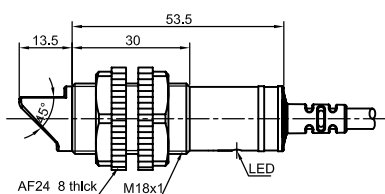


Item Code	PR18GS	PR18GS
Sensing mode	Retro reflection	Retro reflection
Sensing distance	3m (Non-adjustable)	3m (Non-adjustable)



Output	NPN NO	PR18GS-DM3DNO	PR18GS-DM3DNO-E2
	NPN NC	PR18GS-DM3DNC	PR18GS-DM3DNC-E2
	NPN NO+NC	PR18GS-DM3DNR	PR18GS-DM3DNR-E2
Output	PNP NO	PR18GS-DM3DPO	PR18GS-DM3DPO-E2
	PNP NC	PR18GS-DM3DPC	PR18GS-DM3DPC-E2
	PNP NO+NC	PR18GS-DM3DPR	PR18GS-DM3DPR-E2

Technical Parameter			
Supply voltage	10...30 VDC	10...30 VDC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	< 200mA	< 200mA	
Voltage drop	< 2.5V	< 2.5V	
Consumption current	< 25mA	< 25mA	
Hysteresis	...	...	
Repeat accuracy	< 5%	< 5%	
Response time	< 8.2ms	< 8.2ms	
Output indicator	Yellow LED	Yellow LED	
Polarity protection	yes	yes	
Surge protection	yes	yes	
Short-circuit protection	yes	yes	
Ambient temperature	-15...+55°C	-15...+55°C	
Ambient moisture	35...95%	35...95%	
Protection degree	IP65	IP65	
Housing material	PBT	PBT	
Connection	2m PVC Cable	M12 Connector	
Certification	CE U _I	CE U _I	

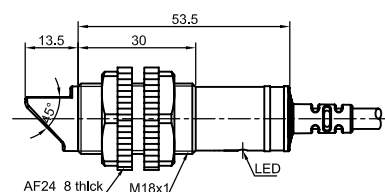
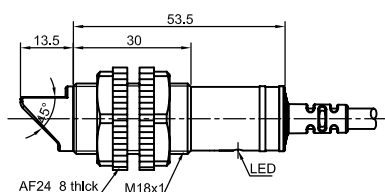


Item Code	PR18GS		PR18GS	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	NPN NO	PR18GS-TM10D	PR18GS-TM10DNO	PR18GS-TM20D	PR18GS-TM20DNO
	NPN NC	PR18GS-TM10D	PR18GS-TM10DNC	PR18GS-TM20D	PR18GS-TM20DNC
	NPN NO+NC	PR18GS-TM10D	PR18GS-TM10DNR	PR18GS-TM20D	PR18GS-TM20DNR
Output	PNP NO	PR18GS-TM10D	PR18GS-TM10DPO	PR18GS-TM20D	PR18GS-TM20DPO
	PNP NC	PR18GS-TM10D	PR18GS-TM10DPC	PR18GS-TM20D	PR18GS-TM20DPC
	PNP NO+NC	PR18GS-TM10D	PR18GS-TM10DPR	PR18GS-TM20D	PR18GS-TM20DPR

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	IP65	IP65	IP65	IP65
Housing material	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U _L	CE U _L	CE U _L	CE U _L

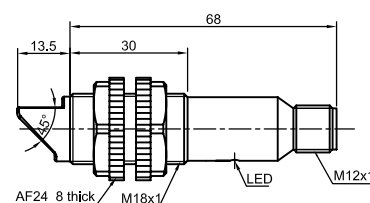
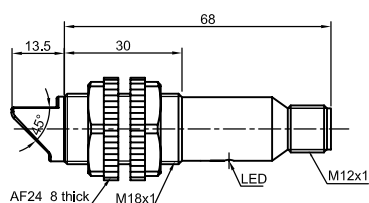


Item Code	PR18GS		PR18GS	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	NPN NO	PR18GS-TM10D-E2	PR18GS-TM10DNO-E2	PR18GS-TM20D-E2	PR18GS-TM20DNO-E2
	NPN NC	PR18GS-TM10D-E2	PR18GS-TM10DNC-E2	PR18GS-TM20D-E2	PR18GS-TM20DNC-E2
	NPN NO+NC	PR18GS-TM10D-E2	PR18GS-TM10DNR-E2	PR18GS-TM20D-E2	PR18GS-TM20DNR-E2
Output	PNP NO	PR18GS-TM10D-E2	PR18GS-TM10DPO-E2	PR18GS-TM20D-E2	PR18GS-TM20DPO-E2
	PNP NC	PR18GS-TM10D-E2	PR18GS-TM10DPC-E2	PR18GS-TM20D-E2	PR18GS-TM20DPC-E2
	PNP NO+NC	PR18GS-TM10D-E2	PR18GS-TM10DPR-E2	PR18GS-TM20D-E2	PR18GS-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	IP65	IP65	IP65	IP65
Housing material	PBT	PBT	PBT	PBT
Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L

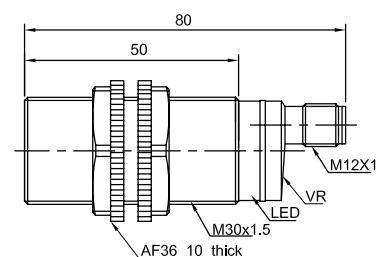
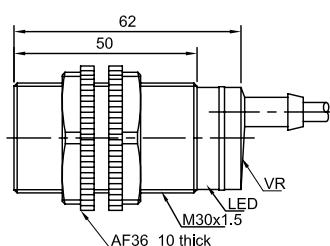


Item Code	PR30S		PR30S	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	50cm (Adjustable)	100cm (Adjustable)	50cm (Adjustable)	100cm (Adjustable)



Output	NPN NO	PR30S-BC50DNO	PR30S-BC100DNO	PR30S-BC50DNO-E2	PR30S-BC100DNO-E2
	NPN NC	PR30S-BC50DNC	PR30S-BC100DNC	PR30S-BC50DNC-E2	PR30S-BC100DNC-E2
	NPN NO+NC	PR30S-BC50DNR	PR30S-BC100DNR	PR30S-BC50DNR-E2	PR30S-BC100DNR-E2
Output	PNP NO	PR30S-BC50DPO	PR30S-BC100DPO	PR30S-BC50DPO-E2	PR30S-BC100DPO-E2
	PNP NC	PR30S-BC50DPC	PR30S-BC100DPC	PR30S-BC50DPC-E2	PR30S-BC100DPC-E2
	PNP NO+NC	PR30S-BC50DPR	PR30S-BC100DPR	PR30S-BC50DPR-E2	PR30S-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	IP67	IP67	IP67	IP67	
Housing material	PBT	PBT	PBT	PBT	
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	
Certification	CE U _L	CE U _L	CE U _L	CE U _L	

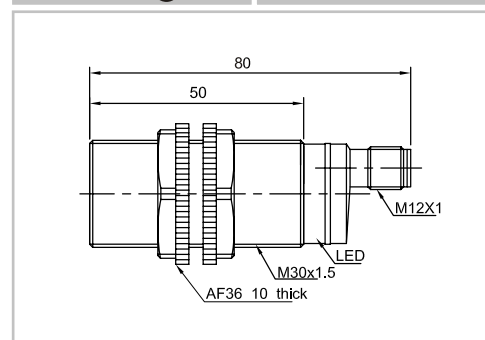
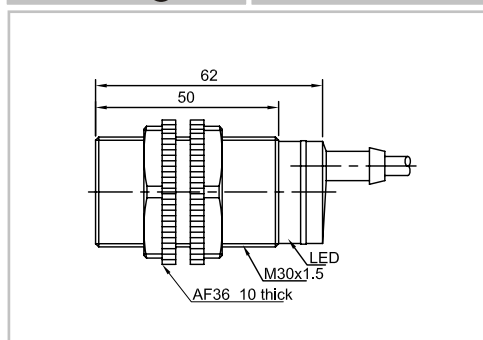
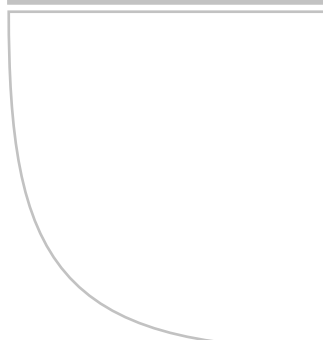


Item Code	PR30S	PR30S
Sensing mode	Retro reflection	Retro reflection
Sensing distance	5m (Non-adjustable)	5m (Non-adjustable)



Output	NPN NO	PR30S-DM5DNO	PR30S-DM5DNO-E2
	NPN NC	PR30S-DM5DNC	PR30S-DM5DNC-E2
	NPN NO+NC	PR30S-DM5DNR	PR30S-DM5DNR-E2
Output	PNP NO	PR30S-DM5DPO	PR30S-DM5DPO-E2
	PNP NC	PR30S-DM5DPC	PR30S-DM5DPC-E2
	PNP NO+NC	PR30S-DM5DPR	PR30S-DM5DPR-E2

Technical Parameter			
Supply voltage	10...30 VDC	10...30 VDC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	< 200mA	< 200mA	
Voltage drop	< 2.5V	< 2.5V	
Consumption current	< 25mA	< 25mA	
Hysteresis	...	...	
Repeat accuracy	< 5%	< 5%	
Response time	< 8.2ms	< 8.2ms	
Output indicator	Yellow LED	Yellow LED	
Polarity protection	yes	yes	
Surge protection	yes	yes	
Short-circuit protection	yes	yes	
Ambient temperature	-15...+55°C	-15...+55°C	
Ambient moisture	35...95%	35...95%	
Protection degree	IP67	IP67	
Housing material	PBT	PBT	
Connection	2m PVC Cable	M12 Connector	
Certification	CE U _L	CE U _L	

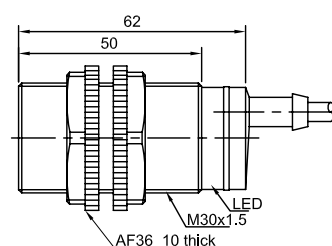
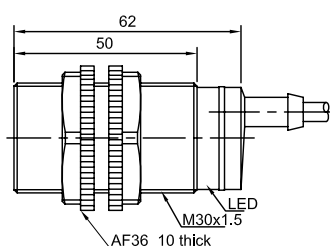


Item Code	PR30S		PR30S	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	20m (Non-adjustable)	20m (Non-adjustable)	40m (Non-adjustable)	40m (Non-adjustable)



Output	NPN NO	PR30S-TM20D	PR30S-TM20DNO	PR30S-TM40D	PR30S-TM40DNO
	NPN NC	PR30S-TM20D	PR30S-TM20DNC	PR30S-TM40D	PR30S-TM40DNC
	NPN NO+NC	PR30S-TM20D	PR30S-TM20DNR	PR30S-TM40D	PR30S-TM40DNR
Output	PNP NO	PR30S-TM20D	PR30S-TM20DPO	PR30S-TM40D	PR30S-TM40DPO
	PNP NC	PR30S-TM20D	PR30S-TM20DPC	PR30S-TM40D	PR30S-TM40DPC
	PNP NO+NC	PR30S-TM20D	PR30S-TM20DPR	PR30S-TM40D	PR30S-TM40DPR

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	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U _L	CE U _L	CE U _L	CE U _L

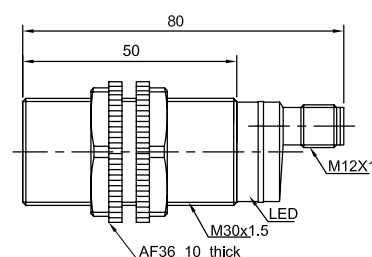
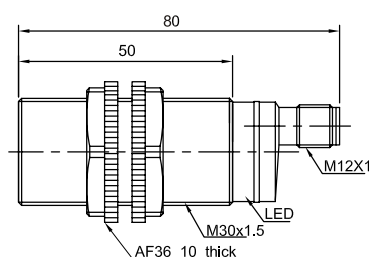


Item Code	PR30S		PR30S	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	20m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)	40m (Non-adjustable)



Output	NPN NO	PR30S-TM20D-E2	PR30S-TM20DNO-E2	PR30S-TM40D-E2	PR30S-TM40DNO-E2
	NPN NC	PR30S-TM20D-E2	PR30S-TM20DNC-E2	PR30S-TM40D-E2	PR30S-TM40DNC-E2
	NPN NO+NC	PR30S-TM20D-E2	PR30S-TM20DNR-E2	PR30S-TM40D-E2	PR30S-TM40DNR-E2
Output	PNP NO	PR30S-TM20D-E2	PR30S-TM20DPO-E2	PR30S-TM40D-E2	PR30S-TM40DPO-E2
	PNP NC	PR30S-TM20D-E2	PR30S-TM20DPC-E2	PR30S-TM40D-E2	PR30S-TM40DPC-E2
	PNP NO+NC	PR30S-TM20D-E2	PR30S-TM20DPR-E2	PR30S-TM40D-E2	PR30S-TM40DPR-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	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT
Connection	M12 Connector	M12 Connector	M12 Connector	M12 Connector
Certification	CE U _L	CE U _L	CE U _L	CE U _L

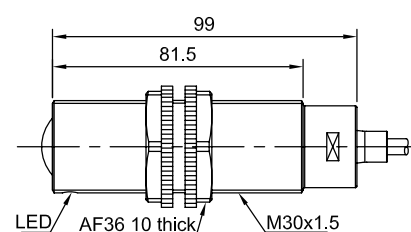
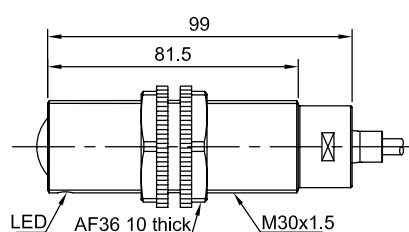


Item Code	PR30SL		PR30SL	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	100m (Non-adjustable)	100m (Non-adjustable)	150m (Non-adjustable)	150m (Non-adjustable)



Output	NPN/PNP NO/NC	PR30SL-TM100D	PR30SL-TM100DEB	PR30SL-TM150D	PR30SL-TM150DEB
	NPN/PNP NO/NC	PR30SL-TM100D 1001	PR30SL-TM100DEB 1001	PR30SL-TM150D 1001	PR30SL-TM150DEB 1001
	NPN/PNP NO/NC	PR30SL-TM100D 1002	PR30SL-TM100DEB 1002	PR30SL-TM150D 1002	PR30SL-TM150DEB 1002

Technical Parameter					
Supply voltage	10...30 VDC	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)	Infrared LED (880nm)
Load current	...	< 200mA	...	< 200mA	< 200mA
Voltage drop	...	< 2.5V	...	< 2.5V	< 2.5V
Consumption current	< 25mA	< 25mA	< 25mA	< 25mA	< 25mA
Hysteresis	...	...	...	...	...
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	< 5%
Response time	...	< 8.2ms	...	< 8.2ms	< 8.2ms
Output indicator	Green LED	Red LED	Green LED	Red LED	Red LED
Polarity protection	yes	yes	yes	yes	yes
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	...	yes	...	yes	yes
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable	2m PVC Cable
Certification	CE U L C	CE U L C	CE U L C	CE U L C	CE U L C

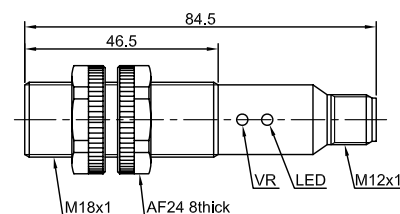
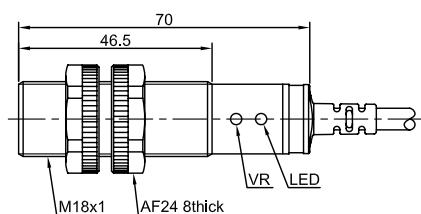


Item Code	PR18S		PR18S	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	10cm (Non-adjustable)	40cm (Adjustable)	10cm (Non-adjustable)	40cm (Adjustable)



Output	AC 2 Wires NO	PR18S-BC10ATO	PR18S-BC40ATO	PR18S-BC10ATO-E2	PR18S-BC40ATO-E2
	AC 2 Wires NC	PR18S-BC10ATC	PR18S-BC40ATC	PR18S-BC10ATC-E2	PR18S-BC40ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	< 300mA	< 300mA	< 300mA	< 300mA	
Voltage drop	< 10V	< 10V	< 10V	< 10V	
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA	
Hysteresis	3...20%	3...20%	3...20%	3...20%	
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	
Response time	< 50ms	< 50ms	< 50ms	< 50ms	
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED	
Polarity protection	...	...	...	...	
Surge protection	yes	yes	yes	yes	
Short-circuit protection	...	...	...	...	
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	IP67	IP67	IP67	IP67	
Housing material	PBT	PBT	PBT	PBT	
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	
Certification	CE U L	CE U L	CE U L	CE U L	

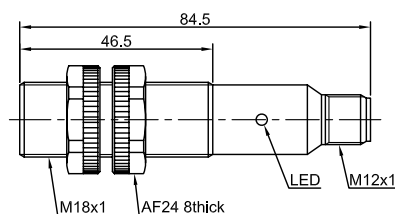
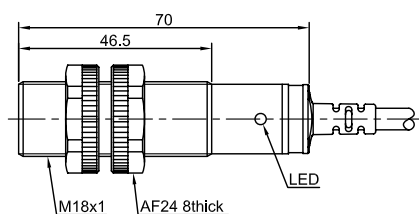


Item Code	PR18S	PR18S
Sensing mode	Retro reflection	Retro reflection
Sensing distance	3m (Non-adjustable)	3m (Non-adjustable)



Output	AC 2 Wires NO	PR18S-DM3ATO		PR18S-DM3ATO-E2	
	AC 2 Wires NC	PR18S-DM3ATC		PR18S-DM3ATC-E2	

Technical Parameter					
Supply voltage	20...250 VAC		20...250 VAC		
Light source	Infrared LED (880nm)		Infrared LED (880nm)		
Load current	< 300mA		< 300mA		
Voltage drop	< 10V		< 10V		
Leakage current	< 3mA		< 3mA		
Hysteresis	...		...		
Repeat accuracy	< 5%		< 5%		
Response time	< 50ms		< 50ms		
Output indicator	Yellow LED		Yellow LED		
Polarity protection	...		...		
Surge protection	yes		yes		
Short-circuit protection	...		...		
Ambient temperature	-15...+55°C		-15...+55°C		
Ambient moisture	35...95%		35...95%		
Protection degree	IP67		IP67		
Housing material	PBT		PBT		
Connection	2m PVC Cable		M12 Connector		
Certification	CE U _L CCC		CE U _L CCC		

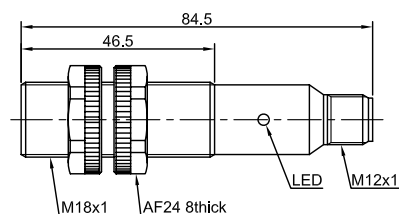
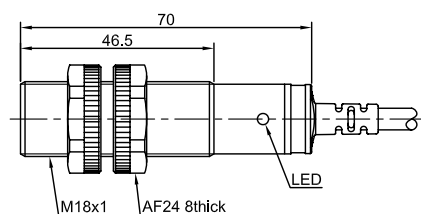


Item Code	PR18S		PR18S	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)



Output	AC 2 Wires NO	PR18S-TM10A	PR18S-TM10ATO	PR18S-TM10A-E2	PR18S-TM10ATO-E2
	AC 2 Wires NC	PR18S-TM10A	PR18S-TM10ATC	PR18S-TM10A-E2	PR18S-TM10ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	...	< 300mA	...	< 300mA	
Voltage drop	...	< 10V	...	< 10V	
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA	
Hysteresis	...	...	...	...	
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	
Response time	< 50ms	< 50ms	< 50ms	< 50ms	
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED	
Polarity protection	...	...	...	...	
Surge protection	yes	yes	yes	yes	
Short-circuit protection	...	...	...	...	
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	IP67	IP67	IP67	IP67	
Housing material	PBT	PBT	PBT	PBT	
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	
Certification	CE U L	CE U L	CE U L	CE U L	

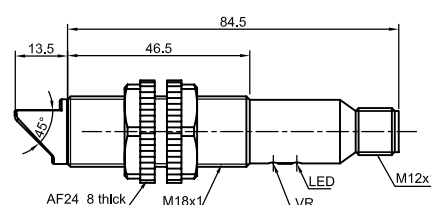
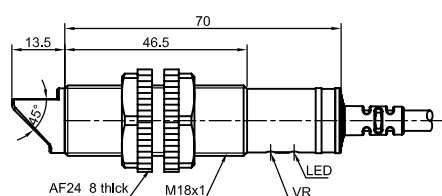


Item Code	PR18GS		PR18GS	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	10cm (Non-adjustable)	40cm (Adjustable)	10cm (Non-adjustable)	40cm (Adjustable)



Output	AC 2 Wires NO	PR18GS-BC10ATO	PR18GS-BC40ATO	PR18GS-BC10ATO-E2	PR18GS-BC40ATO-E2
	AC 2 Wires NC	PR18GS-BC10ATC	PR18GS-BC40ATC	PR18GS-BC10ATC-E2	PR18GS-BC40ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	< 300mA	< 300mA	< 300mA	< 300mA	< 300mA
Voltage drop	< 10V	< 10V	< 10V	< 10V	< 10V
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA	< 3mA
Hysteresis	3...20%	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	< 5%
Response time	< 50ms	< 50ms	< 50ms	< 50ms	< 50ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	...	...	...	...	...
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	...	...	...	...	...
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP65	IP65	IP65	IP65	IP65
Housing material	PBT	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	M12 Connector
Certification	CE U L	CE U L	CE U L	CE U L	CE U L

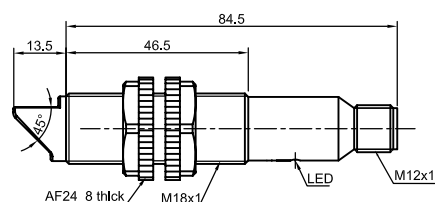
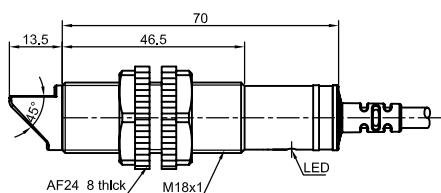


Item Code	PR18GS	PR18GS
Sensing mode	Retro reflection	Retro reflection
Sensing distance	3m (Non-adjustable)	3m (Non-adjustable)



Output	AC 2 Wires NO	PR18GS-DM3ATO	PR18GS-DM3ATO-E2
	AC 2 Wires NC	PR18GS-DM3ATC	PR18GS-DM3ATC-E2

Technical Parameter			
Supply voltage	20...250 VAC	20...250 VAC	
Light source	Infrared LED (880nm)	Infrared LED (880nm)	
Load current	< 300mA	< 300mA	
Voltage drop	< 10V	< 10V	
Leakage current	< 3mA	< 3mA	
Hysteresis	...	...	
Repeat accuracy	< 5%	< 5%	
Response time	< 50ms	< 50ms	
Output indicator	Yellow LED	Yellow LED	
Polarity protection	...	...	
Surge protection	yes	yes	
Short-circuit protection	...	...	
Ambient temperature	-15...+55°C	-15...+55°C	
Ambient moisture	35...95%	35...95%	
Protection degree	IP65	IP65	
Housing material	PBT	PBT	
Connection	2m PVC Cable	M12 Connector	
Certification	CE U _L CCC	CE U _L CCC	

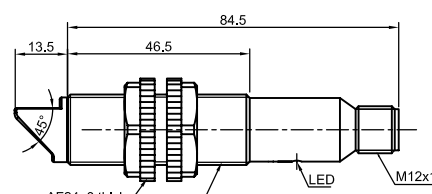
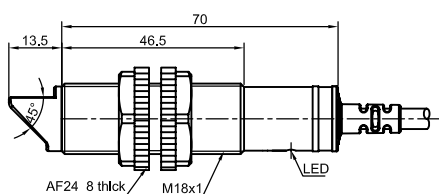


Item Code	PR18GS		PR18GS	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	10m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)	10m (Non-adjustable)



Output	AC 2 Wires NO	PR18GS-TM10A	PR18GS-TM10ATO	PR18GS-TM10A-E2	PR18GS-TM10ATO-E2
	AC 2 Wires NC	PR18GS-TM10A	PR18GS-TM10ATC	PR18GS-TM10A-E2	PR18GS-TM10ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	< 300mA	...	< 300mA	< 300mA
Voltage drop	...	< 10V	...	< 10V	< 10V
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA	< 3mA
Hysteresis	...	...	...	...	...
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	< 5%
Response time	< 50ms	< 50ms	< 50ms	< 50ms	< 50ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED	Yellow LED
Polarity protection	...	...	...	...	...
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	...	...	...	...	...
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP65	IP65	IP65	IP65	IP65
Housing material	PBT	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	M12 Connector
Certification	CE U L	CE U L	CE U L	CE U L	CE U L

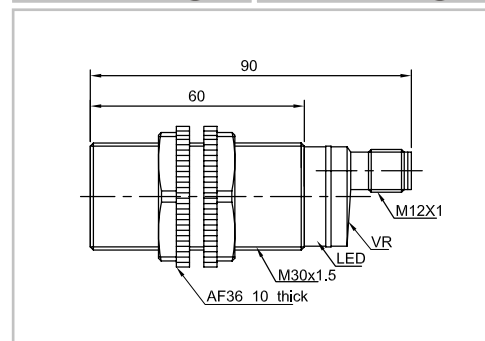
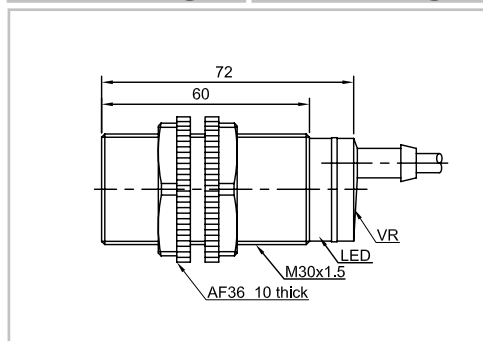
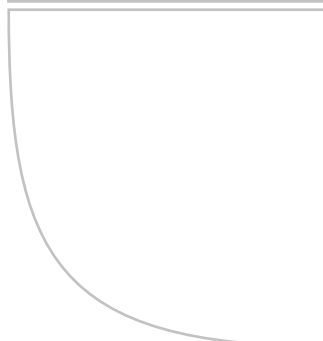


Item Code	PR30S		PR30S	
Sensing mode	Diffuse reflection		Diffuse reflection	
Sensing distance	50cm (Adjustable)	100cm (Adjustable)	50cm (Adjustable)	100cm (Adjustable)



Output	AC 2 Wires NO	PR30S-BC50ATO	PR30S-BC100ATO	PR30S-BC50ATO-E2	PR30S-BC100ATO-E2
	AC 2 Wires NC	PR30S-BC50ATC	PR30S-BC100ATC	PR30S-BC50ATC-E2	PR30S-BC100ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	< 300mA	< 300mA	< 300mA	< 300mA	< 300mA
Voltage drop	< 10V	< 10V	< 10V	< 10V	< 10V
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA	< 3mA
Hysteresis	3...20%	3...20%	3...20%	3...20%	3...20%
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	< 5%
Response time	< 50ms	< 50ms	< 50ms	< 50ms	< 50ms
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	...	...	...	...	...
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	...	...	...	...	...
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	M12 Connector
Certification	CE U L	CE U L	CE U L	CE U L	CE U L

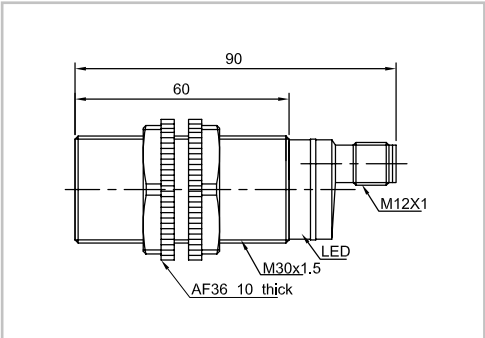
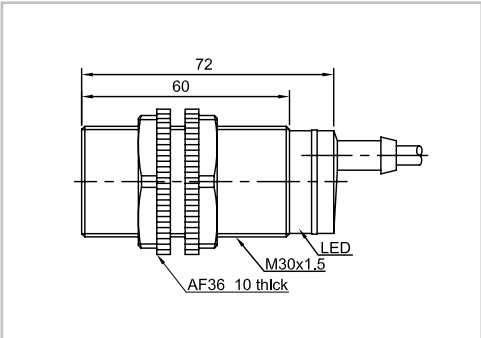
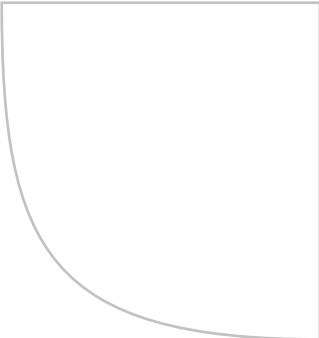


Item Code	PR30S	PR30S
Sensing mode	Retro reflection	Retro reflection
Sensing distance	5m (Non-adjustable)	5m (Non-adjustable)



Output	AC 2 Wires NO	PR30S-DM5ATO		PR30S-DM5ATO-E2	
	AC 2 Wires NC	PR30S-DM5ATC		PR30S-DM5ATC-E2	

Technical Parameter					
Supply voltage	20...250 VAC		20...250 VAC		
Light source	Infrared LED (880nm)		Infrared LED (880nm)		
Load current	< 300mA		< 300mA		
Voltage drop	< 10V		< 10V		
Leakage current	< 3mA		< 3mA		
Hysteresis	...		...		
Repeat accuracy	< 5%		< 5%		
Response time	< 50ms		< 50ms		
Output indicator	Yellow LED		Yellow LED		
Polarity protection	...		...		
Surge protection	yes		yes		
Short-circuit protection	...		...		
Ambient temperature	-15...+55°C		-15...+55°C		
Ambient moisture	35...95%		35...95%		
Protection degree	IP67		IP67		
Housing material	PBT		PBT		
Connection	2m PVC Cable		M12 Connector		
Certification	CE U _L CCC		CE U _L CCC		



Item Code	PR30S		PR30S	
Sensing mode	Through beam(Emitter)	Through beam(Receiver)	Through beam(Emitter)	Through beam(Receiver)
Sensing distance	20m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)	20m (Non-adjustable)



Output	AC 2 Wires NO	PR30S-TM20A	PR30S-TM20ATO	PR30S-TM20A-E2	PR30S-TM20ATO-E2
	AC 2 Wires NC	PR30S-TM20A	PR30S-TM20ATC	PR30S-TM20A-E2	PR30S-TM20ATC-E2

Technical Parameter					
Supply voltage	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC	20...250 VAC
Light source	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)	Infrared LED (880nm)
Load current	...	< 300mA	...	< 300mA	< 300mA
Voltage drop	...	< 10V	...	< 10V	< 10V
Leakage current	< 3mA	< 3mA	< 3mA	< 3mA	< 3mA
Hysteresis	...	...	...	...	...
Repeat accuracy	< 5%	< 5%	< 5%	< 5%	< 5%
Response time	...	< 50ms	...	< 50ms	< 50ms
Output indicator	Green LED	Yellow LED	Green LED	Yellow LED	Yellow LED
Polarity protection	...	...	...	...	...
Surge protection	yes	yes	yes	yes	yes
Short-circuit protection	...	...	...	...	...
Ambient temperature	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C	-15...+55°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67	IP67
Housing material	PBT	PBT	PBT	PBT	PBT
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector	M12 Connector
Certification	CE U L	CE U L	CE U L	CE U L	CE U L

