

10-30VDC 3 Wires (>100mT)

Item Code	LR12X		LR12X	
Mounting	● Flush	○ Non-flush	● Flush	○ Non-flush
Sensing distance	2mm	4mm	2mm	4mm



Output	NPN NO	LR12XBF02DNOA	LR12XBN04DNOA	LR12XBF02DNOA-E2	LR12XBN04DNOA-E2
	NPN NC	LR12XBF02DNCA	LR12XBN04DNCA	LR12XBF02DNCA-E2	LR12XBN04DNCA-E2
Output	PNP NO	LR12XBF02DPOA	LR12XBN04DPOA	LR12XBF02DPOA-E2	LR12XBN04DPOA-E2
	PNP NC	LR12XBF02DPCA	LR12XBN04DPCA	LR12XBF02DPCA-E2	LR12XBN04DPCA-E2

Technical Parameter				
Supply voltage	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Switch point drift	< ±10% Sr	< ±10% Sr	< ±10% Sr	< ±10% Sr
Load current	<200mA	<200mA	<200mA	<200mA
Voltage drop	<2.5V	<2.5V	<2.5V	<2.5V
Consumption current	<15mA	<15mA	<15mA	<15mA
Hysteresis	1...20%	1...20%	1...20%	1...20%
Repeat accuracy	<3%	<3%	<3%	<3%
Frequency	3000Hz	2000Hz	3000Hz	2000Hz
Output indicator	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Polarity protection	yes	yes	yes	yes
Dielectric strength	1000V/AC 50/60Hz 60s	1000V/AC 50/60Hz 60s	1000V/AC 50/60Hz 60s	1000V/AC 50/60Hz 60s
Short-circuit protection	yes	yes	yes	yes
Ambient temperature	-25...+70°C	-25...+70°C	-25...+70°C	-25...+70°C
Ambient moisture	35...95%	35...95%	35...95%	35...95%
Protection degree	IP67	IP67	IP67	IP67
Housing material	Brass+PTFE	Brass+PTFE	Brass+PTFE	Brass+PTFE
Connection	2m PVC Cable	2m PVC Cable	M12 Connector	M12 Connector
Certification	CE	CE	CE	CE

* Cable material and length can be customized

