

M12 Series

- 👍 **Long-distance detection at up to 4mm**
- 👍 **No-touch operation · high response frequency · wide application range.**
- 👍 **High-intensity LED for sending indication.**
- 👍 **Good environmental resistance · all products are CE approved**
- 👍 **High degree of protection up to IP67**

Switching Output	Model Number	Operating voltage	Response frequency	Sensing distance
DC 3-Wire NPN NO	XL-F12N04E1	DC 10~30V	1000Hz	4mm
DC 3-Wire NPN NC	XL-F12N04E2			
DC 3-Wire PNP NO	XL-F12P04E1			
DC 2-Wire NPN/PNP NO	XL-F12D04E1			
DC 2-Wire NPN/PNP NC	XL-F12D04E2			

Item	Specifications
Standard sensing object	Iron, 14×14×1 mm
Installation	Shielded
Load current	0 ~ 200mA
Operation indicator	Yellow LED
Circuits protection	Short circuit protection
Enclosure protection	IEC IP67
Ambient temperature & humidity range	Operating : -25 ~ 70°C / RH 35 ~85% (with no icing or condensation)
Housing material	Brass nickel-plated
Connecting method	Pre-wired 2M Cable