

Compact inductive proximity sensors series - Q8 size DC 3 wire



Highlights

- Inductive sensor**
When the metal conductive objects close to the magnetic field and reach the induction area, high-frequency alternating magnetic field generated by a LC oscillation circuit, which is composed of a coil wound on a ferrite, through the eddy current effect generated by internal of metal objects to achieve non-contact detection.
- Special miniature sensors**
Many engineers are often faced with a particular requirements to fit inductive sensors into tight spaces.
The inductive sensors of the Miniature Series are fully integrated without external amplifier and our models were equipped with reverse polarity protection and short-circuit protected switching outputs.
Also an optical switching indicator is always built-in.

Benefits

- High quality sensors series
- Space-saving installation and significant flexibility in machine design thanks to the compact size
- High positioning accuracy and precise switching behavior for reliable detection of fast handling and assembly processes
- Bright sensors led indicators for easy power and detection recognition
- High switching frequency
- Water proof stainless steel body design for high humidity stability IP67 degree protection

Application

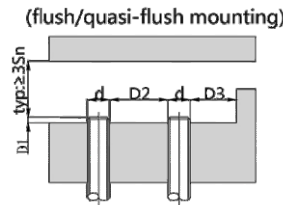
Inductive proximity switch is a low cost method for non-contact detection of metal objects, which is widely used in the following sectors, such as:

- Automotive Industry
- Metallurgical sector
- Machine tool sector
- Robot industry
- Conveyor system
- Paper and printing industry
- Mechanical Engineering

P/N table

Sensing distance	Sn: 2mm	Sn: 3mm
NPN , NO	VL1C-Q08N-02NO-L2M	VL1C-Q08N-03NO-L2M
NPN , NC	VL1C-Q08N-02NC-L2M	VL1C-Q08N-03NC-L2M
PNP , NO	VL1C-Q08P-02NO-L2M	VL1C-Q08P-03NO-L2M
PNP , NC	VL1C-Q08P-02NC-L2M	VL1C-Q08P-03NC-L2M

Installation



Product parameters

<div>Features:</div> <ul style="list-style-type: none">• Diameter Q8• Sensing distance: P/N table• Body material: Stainless steel• Built-in electric protection• Output: See P/N table• Connection: PVC Cable 2m ; 3*0.18mm²• Power supply: 24V DC, 3 wires	<div></div>
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Input/Output circuit

