

Q08B PLASTIC RECTANGULAR SERIES

ARTICLE PROPERTIES

SENSOR TYPE	Inductive sensor	CONNECTION TYPES (see table)	
SIZE	8 x 9.1 x 25 mm	• cable	PVC, 0.18 mm ² , 2 m**
RATED OPERATING DISTANCE	see table		
NUMBER OF CONDUCTORS	2-wire / 3-wire (see table)	** other cable lengths are available on request	

MECHANICAL DATA

MOUNTING (mounting nuts included in delivery)	non-flush (see table)
HOUSING	rectangular
MATERIAL HOUSING	PBT
MATERIAL SENSING SURFACE	PBT
TIGHTENING TORQUE LOCKING	1 Nm
STANDARD TEST	FE360
ATTENUATION COEFFICIENT	St37 = 1, V2A = 0.7, Al = 0.3

ELECTRICAL DATA

OPERATING VOLTAGE	DC: 10 ... 30 V DC
RATED OPERATING CURRENT	2-wire: ≤ 100 mA 3-wire: ≤ 200 mA
SWITCHING FREQUENCY	see table
SWITCHING OUTPUT	see table
FUNCTION INDICATOR	yellow LED
HYSTERESIS	3 ... 15 %
TEMPERATURE DRIFT	±10 %
SHORT-CIRCUIT PROTECTION	yes
OVERLOAD RESISTANCE	yes
REVERSE POLARITY PROTECTION	yes

ENVIRONMENTAL CONDITIONS

PROTECTION CLASS	IP67	VIBRATION RESISTANCE (EN 60068-2-27)	55 Hz, 1 mm
AMBIENT TEMPERATURE	-25 ... 70 °C	SHOCK RESISTANCE (EN 60068-2-6)	30g/11 ms

STANDARDS AND DIRECTIVES

LOW-VOLTAGE SWITCHGEAR AND CONTROLGEAR	DIN EN IEC 60947-5-2:2021-04
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APPROVALS



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DC 2-WIRE OUTPUT CABLE

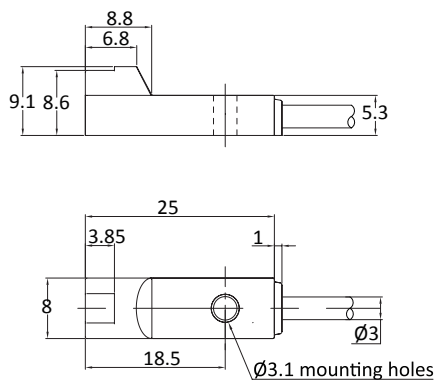
Article number	Mounting	Rated operating distance Sn	Switching output (wiring diagram)	Switching frequency	Dimensions
Ni2.5-Q08B-OD6L	non-flush	2.5 mm	DC NO (WD1)	800 Hz	see Fig. 1
Ni2.5-Q08B-CD6L	non-flush	2.5 mm	DC NC (WD2)	800 Hz	see Fig. 1

DC 3-WIRE OUTPUT CABLE

Article number	Mounting	Rated operating distance Sn	Switching output (wiring diagram)	Switching frequency	Dimensions
Ni2.5-Q08B-OP6L	non-flush	2.5 mm	PNP NO (WD7)	800 Hz	see Fig. 1
Ni2.5-Q08B-ON6L	non-flush	2.5 mm	NPN NO (WD8)	800 Hz	see Fig. 1
Ni2.5-Q08B-CP6L	non-flush	2.5 mm	PNP NC (WD9)	800 Hz	see Fig. 1
Ni2.5-Q08B-CN6L	non-flush	2.5 mm	NPN NC (WD10)	800 Hz	see Fig. 1

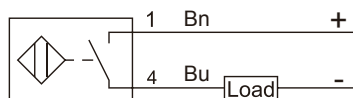
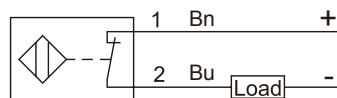
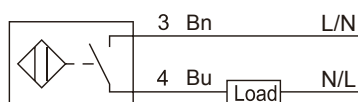
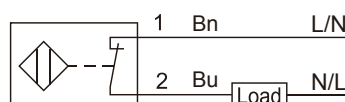
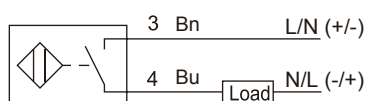
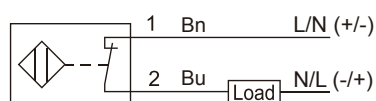
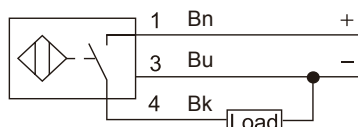
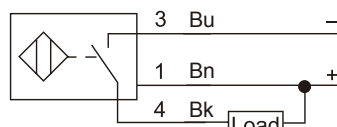
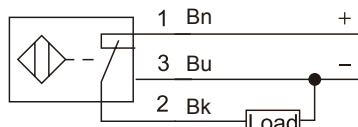
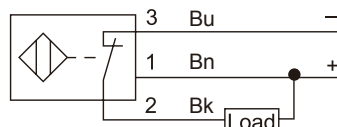
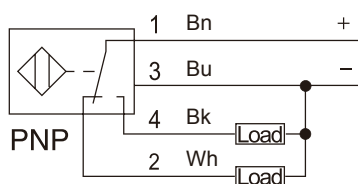
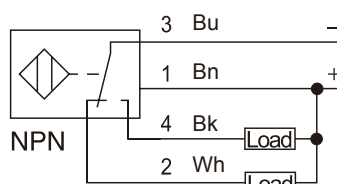
DIMENSIONS

Fig. 1 Inductive sensor with cable (non-flush)



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WIRING DIAGRAMS (Note: 1 / 2 / 3 / 4 connector and terminals pin number Bn / Bu / Wh / Bk cable color)

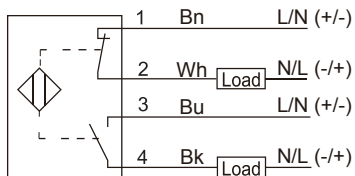
WD1 DC 2-wire NO**WD2 DC 2-wire NC****WD3 AC 2-wire NO****WD4 AC 2-wire NC****WD5 AC / DC 2-wire NO****WD6 AC / DC 2-wire NC****WD7 DC 3-wire PNP NO****WD8 DC 3-wire NPN NO****WD9 DC 3-wire PNP NC****WD10 DC 3-wire NPN NC****WD11 DC 4-wire PNP NO + NC****WD12 DC 4-wire NPN NO + NC**

The information contained in this data sheet was compiled with the greatest possible care. Liability for correctness, completeness and topicality is limited to gross negligence.

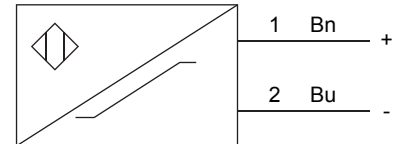
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WIRING DIAGRAMS (Note: 1 / 2 / 3 / 4 connector and terminals pin number Bn / Bu / Wh / Bk cable color)

WD13 AC/DC 4-wire NO+NC



WD14 NAMUR 2-wire NC



WD15 DC 4-wire 0-10V+0-20mA

