

Inductive Proximity Sensors

1.5mm to 2mm Sensing Range

2-Wire
DC

Inductive

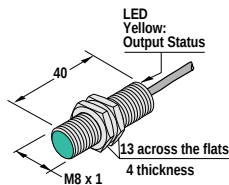
Specifications	2-Wire DC			
SENSING RANGE	1.5mm	1.5mm	2mm	2mm
SHIELDED	Yes	Yes	No	No
MODEL NUMBER(S)	NBB1.5-8GM40-Z0	NCB1.5-8GM50-Z0-V3	NCN2-8GM40-Z0	NCN2-8GM50-Z0-V3
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OUTPUT: Transistor, Normally Open <i>Suffix Z0</i>	Sinking or sourcing	Sinking or sourcing	Sinking or sourcing	Sinking or sourcing
LOAD CURRENT	2-100mA	2-100mA	2-100mA	2-100mA
LEAKAGE CURRENT	≤0.5mA	≤0.5mA	≤0.5mA	≤0.5mA
VOLTAGE DROP	≤5VDC	≤5VDC	≤5VDC	≤5VDC
SHORT CIRCUIT AND OVERLOAD PROTECTION	Yes	Yes	Yes	Yes
REVERSE POLARITY PROTECTION	Nonpolarity sensitive	Tolerant	Tolerant	Tolerant
SUPPLY VOLTAGE	5-60VDC	5-60VDC	5-60VDC	5-60VDC
LED(s)	Yes (1)	Yes (1) 4-way	Yes (1)	Yes (1) 4-way
REPEATABILITY	≤.01mm	≤.01mm	≤.01mm	≤.01mm
HYSTERESIS	3-15%(5% typical)	3-15%(5% typical)	3-15%(5% typical)	3-15%(5% typical)
SWITCHING FREQUENCY	1.2kHz	1.2kHz	1.2kHz	1.2kHz
ELECTROMAGNETIC COMPATIBILITY COMPLIANCE	NEMA ICS5-2000 See page 6	NEMA ICS5-2000 See page 6	NEMA ICS5-2000 See page 6	NEMA ICS5-2000 See page 6
PROTECTION IEC	IP67	IP67	IP67	IP67
AMBIENT TEMPERATURE	-14°F to +158°F	-14°F to +158°F	-14°F to +158°F	-14°F to +158°F
HOUSING MATERIAL	Stainless steel	Stainless steel	Stainless steel	Stainless steel
SENSING FACE	Crastin	Crastin	Crastin	Crastin
APPROVALS CE	UL LISTED General Purpose	Yes	Yes	Yes
	CS LISTED General Purpose	Yes	Yes	Yes
	FM Nonincendive	Yes	Yes	Yes
ELECTRICAL CONNECTION	 2-meter cable, PVC covered, 2-conductor, #26AWG	 Quick disconnect type V3	 2-meter cable, PUR covered, 2-conductor, #26AWG	 Quick disconnect type V3

Dimensions (mm)

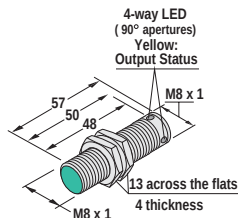
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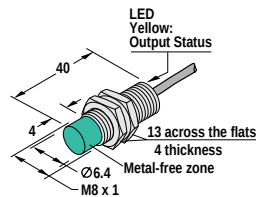
Basic Series
NBB1.5-8GM40-Z0



Basic Series
NCB1.5-8GM50-Z0-V3



Basic Series
NCN2-8GM40-Z0



Basic Series
NCN2-8GM50-Z0-V3

