

Inductive Proximity Sensors

4mm Sensing Range

3-Wire
DC

Inductive

Specifications		3-Wire DC			
SENSING RANGE		4mm	4mm	4mm	4mm
SHIELDED		Yes	No	No	No
MODEL NUMBER(S)		NBB4-12GM50-E0-V1	NBN4-12GM50-E0	NBN4-12GM50-E0-V1	—
		NBB4-12GM50-E2-V1	NBN4-12GM50-E2	NBN4-12GM50-E2-V1	NJ4-12GM40-E2
OUTPUT: Transistor, Normally Open	Suffix E0	NPN, sinking	NPN, sinking	NPN, sinking	—
	Suffix E2	PNP, sourcing	PNP, sourcing	PNP, sourcing	PNP, sourcing
LOAD CURRENT		150mA max.	200mA max.	200mA max.	200mA max.
LEAKAGE CURRENT		≤10μA	≤10μA	≤10μA	≤10μA
VOLTAGE DROP		≤2VDC	≤2VDC	≤2VDC	≤2VDC
SHORT CIRCUIT AND OVERLOAD PROTECTION		Yes	Yes	Yes	Yes
REVERSE POLARITY PROTECTION		Yes	Yes	Yes	Yes
SUPPLY VOLTAGE		10-30VDC	10-30VDC	10-30VDC	10-60VDC
LED(s)		Yes (1) 4-way	Yes (1)	Yes (1) 4-way	Yes (1)
CURRENT CONSUMPTION		≤15mA	≤15mA	≤15mA	≤15mA
REPEATABILITY		≤.01mm	≤.01mm	≤.01mm	≤.01mm
HYSTERESIS		3-15%(5% typical)	3-15%(5% typical)	3-15%(5% typical)	3-15%(5% typical)
SWITCHING FREQUENCY		1kHz	1.5kHz	1.5kHz	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		Nickel-plated brass	Nickel-plated brass	Nickel-plated brass	Stainless steel
SENSING FACE		Crastin	Crastin	Crastin	Crastin
APPROVALS CE	UL LISTED General Purpose	Yes	Yes	Yes	Yes
	SP US General Purpose	Yes	Yes	Yes	Yes
	FM Nonincendive	Yes	Yes	Yes	Yes
ELECTRICAL CONNECTION		 Quick disconnect type V1	 2-meter cable, PVC covered, 3-conductor, #26AWG	 Quick disconnect type V1	 2-meter cable, PVC covered, 3-conductor, #26AWG

Dimensions (mm)

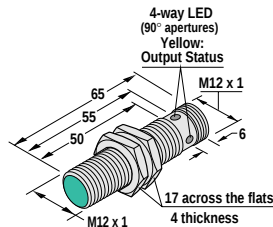
 Metal  Crastin

See pages
767-812
for cordsets



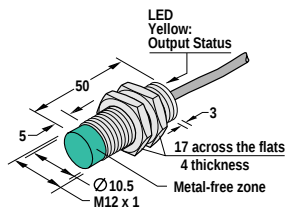
For Pile Driver
versions see
pages 162-177

Basic Series
NBB4-12GM50-E0-V1
NBB4-12GM50-E2-V1

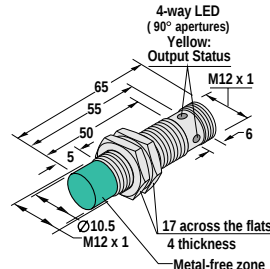


X
SERIES

Basic Series
NBN4-12GM50-E0
NBN4-12GM50-E2



Basic Series
NBN4-12GM50-E0-V1
NBN4-12GM50-E2-V1



Classic Series
NJ4-12GM40-E2

