

Inductive Proximity Sensors

0.8mm to 1.27mm Sensing Range

3-Wire DC
Inductive

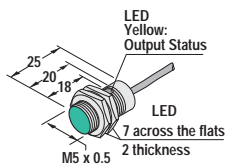
Specifications		3-Wire DC			
SENSING RANGE		0.8mm	0.8mm*	0.8mm	1.27mm
SHIELDED		Yes	Yes	Yes	Yes
MODEL NUMBER(S)		NJ0.8-5GM25-E	—	—	101XK5-1
		—	NBB0.8-5GM25-E2	NJ0.8-5GM25-E2-V3	—
OUTPUT: Transistor, Normally Open		Suffix E0/E/1		Suffix E2	
		NPN, sinking	—	—	NPN, sinking
		—	PNP, sourcing	PNP, sourcing	—
LOAD CURRENT		200mA max.	100mA max.	200mA max.	20mA max.
LEAKAGE CURRENT		≤10μA	≤10μA	≤10μA	≤10μA
VOLTAGE DROP		≤2VDC	≤2VDC	≤2VDC	≤1VDC
SHORT CIRCUIT AND OVERLOAD PROTECTION		Yes	Yes	Yes	Yes
REVERSE POLARITY PROTECTION		Yes	Yes	Yes	Yes
SUPPLY VOLTAGE		10-30VDC	10-30VDC	10-30VDC	5VDC ±0.5
LED(s)		Yes (1)	Yes (1)	Yes (1)	No
CURRENT CONSUMPTION		≤10mA	≤15mA	≤10mA	≤18mA
REPEATABILITY		≤.01mm	≤.01mm	≤.01mm	≤.01mm
HYSTERESIS		3-15%(5% typical)	3-15%(5% typical)	3-15%(5% typical)	3-15%(5% typical)
SWITCHING FREQUENCY		3kHz	3kHz	3kHz	1kHz
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	-40°F to +212°F
HOUSING MATERIAL		Stainless steel	Stainless steel	Stainless steel	Glass-filled thermoplastic polyester
SENSING FACE		Crastin	Crastin	Crastin	Glass-filled thermoplastic polyester
APPROVALS		General Purpose General Purpose Nonincendive			
ELECTRICAL CONNECTION		2-meter cable, PVC covered, 3-conductor, #26AWG	2-meter cable, PVC covered, 3-conductor, #26AWG	Quick disconnect type V3	305mm wires, PVC covered, #22AWG

Dimensions (mm)

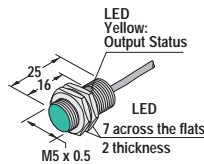
Metal Crastin or glass-filled thermoplastic polyester

See pages 767-812 for cordsets

Classic Series
NJ0.8-5GM25-E

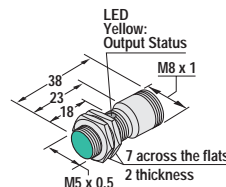


Basic Series
NBB0.8-5GM25-E2



* Sensing range tolerance is +/- 20% for this model

Classic Series
NJ0.8-5GM25-E2-V3



MS Series
101XK5-1

