

Inductive Proximity Sensors

8mm to 10mm Sensing Range

2-Wire
DC

Inductive

Specifications	2-Wire DC			
SENSING RANGE	8mm	8mm	8mm	10mm
SHIELDED	No	No	No	Yes
MODEL NUMBER(S)	NBN8-18GM40-Z0	NBN8-18GM40-Z0-V1	FL7M-8J6ND-Z	NBB10-30GM40-Z0
	—	NBN8-18GM40-Z3-V1	—	—
OUTPUT: Transistor, Normally Open	Sinking or sourcing	Sinking or sourcing	Sinking or sourcing	Sinking or sourcing
LOAD CURRENT	2-100mA	2-100mA	4-100mA	2-100mA
LEAKAGE CURRENT	≤0.5mA	≤0.5mA	≤0.8mA	≤0.5mA
VOLTAGE DROP	≤5VDC	≤5VDC	≤3.5VDC	≤5VDC
SHORT CIRCUIT AND OVERLOAD PROTECTION	Yes	Yes	Yes	Yes
REVERSE POLARITY PROTECTION	Nonpolarity sensitive	Nonpolarity sensitive	Yes	Nonpolarity sensitive
SUPPLY VOLTAGE	5-60VDC	5-60VDC	10-30VDC	5-60VDC
LED(s)	Yes (1)	Yes (1) 4-way	Yes (2)	Yes (1)
REPEATABILITY	≤.01mm	≤.01mm	≤.01mm	≤.01mm
HYSTERESIS	3-15%(5% typical)	3-15%(5% typical)	3-15%(5% typical)	3-15%(5% typical)
SWITCHING FREQUENCY	500Hz	450Hz	600Hz	150Hz
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	Nickel-plated brass
SENSING FACE	Crastin	Crastin	Crastin	Crastin
APPROVALS CE	UL LISTED General Purpose	Yes	No	Yes
	SP US General Purpose	Yes	No	Yes
	FM Nonincendive	Yes	No	Yes
ELECTRICAL CONNECTION	2-meter cable, PVC covered, 2-conductor, #22AWG	Quick disconnect type V1	2-meter cable, PVC covered, 2-conductor, #22AWG	2-meter cable, PVC covered, 2-conductor, #22AWG

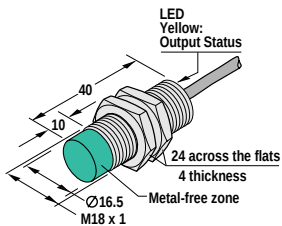
Dimensions (mm)

Metal Crastin

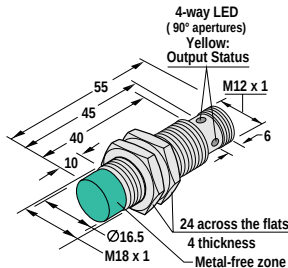


PILE DRIVER For Pile Driver versions see pages 162-177

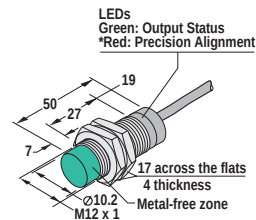
Basic Series
NBN8-18GM40-Z0



Basic Series
NBN8-18GM40-Z0-V1
NBN8-18GM40-Z3-V1



MS Series
FL7M-8J6ND-Z



*Illuminates when the target is between 80-100% of the nominal sensing distance.

X
SERIES

Basic Series
NBB10-30GM40-Z0

