

Inductive Proximity Sensors

15mm Sensing Range

2-Wire
and
4-Wire
AC &
AC/DC

Inductive

Specifications	2-Wire AC	4-Wire AC
SENSING RANGE	15mm	15mm
SHIELDED	Yes	Yes
MODEL NUMBER(S)	NJ15+U4+W	NJ15+U4+W4
OUTPUT: AC – Thyristor AC/DC – Transistor	Suffix W N.O. or N.C. Suffix W4 —	— N.O. and N.C.
LOAD CURRENT	8-500mA	500mA max.
LEAKAGE CURRENT	≤1.7mA	≤10μA
INRUSH CURRENT	≤4A/20ms	≤4A/20ms
VOLTAGE DROP	≤5VAC	≤3VAC
SHORT CIRCUIT AND OVERLOAD PROTECTION	No	No
REVERSE POLARITY PROTECTION	—	—
SUPPLY VOLTAGE	20-250VAC/45-65Hz	20-130VAC/45-65Hz
LED(s)	Yes (2)	Yes (2)
CURRENT CONSUMPTION	—	≤10mA
REPEATABILITY	≤.01mm	≤.01mm
HYSTERESIS	3-15%(5% typical)	3-15%(5% typical)
SWITCHING FREQUENCY	20Hz	25Hz
ELECTROMAGNETIC COMPATIBILITY COMPLIANCE	NEMA ICS5-2000 See page 6	NEMA ICS5-2000 See page 6
PROTECTION IEC	IP68	IP68
AMBIENT TEMPERATURE	-14°F to +158°F	-14°F to +158°F
HOUSING MATERIAL	Crastin/metal base	Crastin/metal base
SENSING FACE	Crastin	Crastin
APPROVALS UL LISTED cUL LISTED SR US FM Nonincendive	General Purpose Yes General Purpose Yes Nonincendive Yes	Yes Yes Yes
ELECTRICAL CONNECTION	 Terminal housing	 Terminal housing

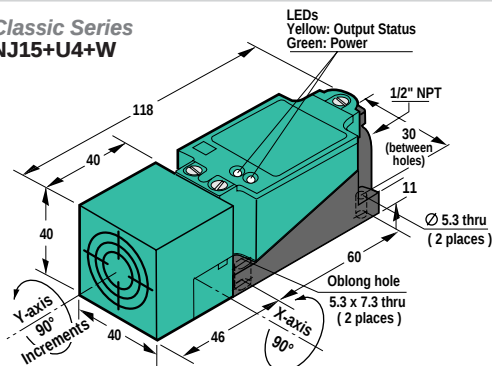


See pages
767-812
for cordsets

Dimensions (mm)

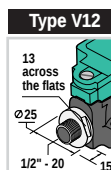
 Metal  Metal  Crastin

Classic Series NJ15+U4+W

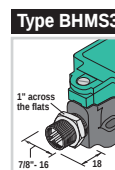


When ordering, please
specify N.O. or N.C.

Quick Disconnects

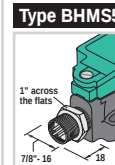
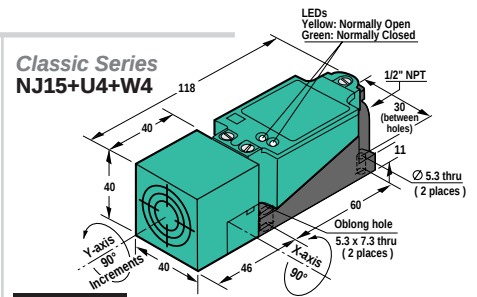


NJ15+U4+W-V12



NJ15+U4+W-BHMS3

Classic Series NJ15+U4+W4



Quick Disconnect

NJ15+U4+W4-BHMS5