Proximity SWITCHES

Inductive Sensors

N1DR_ B Series

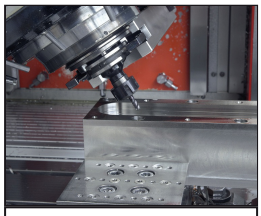
N1DE_ S Series

N1DR_ B_W Series

N1DR_G Series

Food and Beverage

Automotive Industry



Machine & Equipment

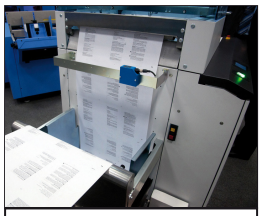
Warehouse & Distribution

Capacitive Sensors

N2KR_N Series

N2K_S Series

N2K_E_S Series



Printing Industry

Textile Industry

Photo Electric Sensors

N3FR_BC Series

N3FR_LT Series

N3FS_T Series

Packing Industry

Doors & Elevators

Inductive Sensors

N1D Series

>> Available in several Materials such as Nickel-Copper Alloy, Stainless Steel, Aluminum and Plastic
>> Extended temperature version (-40°C up to 120°C)
>> Cable and Connector Types
>> Protection degree : IP67 (IEC)
>> CE and UL Certification

How to order:

N1 [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15]

1. **Type Code**
   D:Inductive

2. **Shape Code**
   R:Cylindrical
   E:Rectangular

3. **Size Code**
   Number:Housing diameter
   e.g: 08:M8

4. **Shape Code**
   Q:Smooth Cylindrical
   V:Angle Column
   Z:Combination
   H:Ring-shaped
   U:U-shaped

5. **Housing Material**
   N/A:Copper
   S:Plastic
   G:Stainless Steel
   V:Aluminium

6. **Housing Length**
   A:Short
   B:Standard
   C:Long

7. **Mounting**
   N:Non-flushed(nf)
   F:Flushed(f)

8. **Sensing Distance**
   02:2mm
   04:4mm
   10:10mm

9. **Supply Voltage**
   A:20...250VAC
   B:90...250VAC
   C:380VAC
   D:10...30VDC
   E:10...60VDC
   F:8.2VDC
   G:5...60VDC
   L:15...30VDC
   H:20...30VDC
   I:10...40VDC
   J:5VDC
   S:20...250VAC/DC
   T:12...24VDC

10. **Output Way**
    B:AC/DC 2 wires
    L:DC 2 wires
    T:AC 2 wires
    P:PNP
    N:NPN
    E:NPN/PNP
    F:NPN+PNP
    K:Relay

11. **Output Status**
    A:NO/NC Reversible
    B:NO/NC Optional
    Cable Optional;Potentiometer optional
    O:NO
    C:NC
    R:NO+NC
    IU:Voltage+Current (0...10V,0...20mA)
    U:Voltage(0...10V)
    I:Current(0...20mA)
    I4:Current(4...20mA)

12. **By Sensor Function**
    N/A:Standard function
    M:Analogue
    N:NAMUR
    W:High Temperature Resistant(-25°C...120°C)
    W1:Low Temperature Resistant(-40°C...70°C)
    W2:High Temperature Resistant(-25°C...100°C
    B:High Pressure Resistant
    T:Speed
    Z:Self-Diagnosis
    Y:Extended Sensing Distance
    G:High Frequency
    Q:Metal Sensing Face
    A:Welding-immune
    K:EMI
    F:Detect Iron Object
    NF:Detect Non-Iron Object
    J:Rotation Speed

13. **Cable Length**
    N/A:2m
    3M:3m

14. **Connection**
    N/A:2M cable
    E1:M8 connector (3 pins)
    E2:M12 connector (4 pins)
    E3:M8 connector (4 pins)
    E4:M12 trapezoid connector (4 pins)
    E5:M12 connector (5 pins)
    D:Terminal

15. Special Requirement
    In 4 Digits

Do you have existing demands for Inductive Sensors?
Please send us your currently used part number and we will offer you a cost saving alternative.

Capacitive Sensors

N2K Series

>> Available in several Materials such as Nickel-Copper Alloy, Stainless Steel, Aluminum and Plastic
>> Cable and Connector Types
>> Protection degree : IP67 (IEC)
>> CE and UL Certification

How to order:

N2 [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14]

1. **Type Code**
   K:Capacitive

2. **Shape Code**
   R:Threaded cylindrical
   Q:Smooth cylindrical
   E:Rectangular

3. **Size Code**
   Number:Housing diameter
   e.g: 08:M8

4. **Housing Material**
   N/A:Copper
   S:Plastic
   G:Stainless steel
   V:Aluminium

5. **Housing Length**
   A:Short
   B:Standard
   C:Long

6. **Mounting**
   N:Non-flushed(nf)
   F:Flushed(f)

7. **Sensing Distance**
   02:2mm
   04:4mm
   10:10mm

8. **Supply Voltage**
   A:20...250VAC
   D:10...30VDC
   E:10...60VDC
   M:18...36VDC
   S:20...250VAC/DC

9. **Output Way**
   B:AC/DC 2 wires
   T:AC 2 wires
   P:PNP
   N:NPN
   E:NPN/PNP
   F:NPN+PNP
   K:Relay

10. **Output Status**
    A:NO/NC reversible
    B:NO/NC optional
    Cable optional;Potentiometer optional
    O:NO
    C:NC
    R:NO+NC
    Note:Relay output is optional

11. **By Sensor Function**
    N/A:Standard function
    Y:Extended sensing distance

12. **Cable Length**
    N/A:2m
    3M:3m

13. **Connection**
    N/A:2M cable
    E1:M8 connector (3 pins)
    E2:M12 connector (4 pins)
    E3:M8 connector (4 pins)
    E4:M12 trapezoid connector (4 pins)
    E5:M12 connector (5 pins)
    D:Terminal

14. **Special Requirement**
    In 4 Digits

Do you have existing demands for Capacitive Sensors?
Please send us your currently used part number and we will offer you a cost saving alternative.

Photo Electric Sensors

N3F Series

>> Available in several Materials such as Nickel-Copper Alloy, Aluminum and Plastic

>> Cable and Connector Types

>> Protection degree : IP67 (IEC)

>> CE and UL Certification

How to order:

N3 [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14]

1. **Type Code**
   F: Photoelectric

2. **Shape Code**
   R:Threaded Cylindrical
   U:U-Shaped
   Q:Smooth Cylindrical
   2 letters:
   Rectangular Housing Code

3. **Size Code**
   Number:Housing diameter
   e.g: 08:M8

4. **Housing Material**
   N/A:Copper
   S:Plastic
   V:Aluminium

5. **Housing Length**
   N/A:Standard
   Short:S
   Long:L

6. **Mounting**
   B:Diffuse Reflection
   D:Retro Reflection
   P:With Polarizer
   S:Focuse Reflection
   T:Through Beam Reflection
   M:Mark Detect
   Y:Background Suppression

7. **Sensing Distance**
   C10:10cm
   C40:40cm
   M5:5m
   M10:10m

8. **Supply Voltage**
   A:20...250VAC
   A1:110VAC
   A2:220VAC
   B:90...250VAC
   C:380VAC
   D:10...30VDC
   E:10...60VDC
   I:10...40VDC
   J:5VDC
   S:12...240VDC/24...240VAC
   T:12...24VDC

9. **Output Way**
   T:AC 2 wires
   P:PNP
   N:NPN
   E:NPN/PNP
   F:NPN+PNP
   K:Relay

10. **Output Status**
    O:NO
    C:NC
    R:NO+NC
    A:NO/NC Reversible
    B:NO/NC Optional
    Cable Optional|Potentiometer optional
    Note:Relay output is optional

11. **Time Delay Status**
    N/A:Without Time Delay Function
    T1:With Previous Time Delay Function
    T2:With Later Time Delay Function
    T3:With Previous/Later Time Delay Function

12. **Cable Length**
    N/A:2m
    3M:3m

13. **Connection**
    N/A:2M cable
    E1:M8 connector (3 pins)
    E2:M12 connector (4 pins)
    E3:M8 connector (4 pins)
    E4:M12 trapezoid connector (4 pins)
    E5:M12 connector (5 pins)
    D:Terminal

14. **Special Requirement**
    In 4 Digits

Do you have existing demands for Photo Electric Sensors?
Please send us your currently used part number and we will offer you a cost saving alternative.