

Inductive Rectangular Sensors



| Housing Style - Rectangular | Part Number | ID Number | Features | Embeddable | Sensing Range (mm) | Output | |
|--|------------------------|-----------|-------------------------|------------|--------------------|---|-----------------|
| CP80 - Embeddable/Nonembeddable, Terminal Chamber | Ni75U-CP80-AN6X2 | M1623811 | <i>Uprox</i> | | 75 | 3-Wire DC NPN | |
| | Ni75U-CP80-AP6X2 | M1623801 | <i>Uprox</i> | | 75 | 3-Wire DC PNP | |
| | Bi40-CP80-VN4X2 | M1579800 | <i>Comp. Outputs</i> | • | 40 | 4-Wire DC NPN | |
| | Ni40-CP80-VN4X2 | M1525500 | <i>Comp. Outputs</i> | | 40 | | |
| | Ni50-CP80-VN4X2 | M1525600 | <i>Comp. Outputs</i> | | 50 | | |
| | Ni75U-CP80-VN4X2 | M1540811 | <i>Uprox</i> | | 75 | | |
| | Bi40-CP80-VP4X2 | M1569800 | <i>Comp. Outputs</i> | • | 40 | 4-Wire DC PNP | |
| | Ni40-CP80-VP4X2 | M1501500 | <i>Comp. Outputs</i> | | 40 | | |
| | Ni50-CP80-VP4X2 | M1501600 | <i>Comp. Outputs</i> | | 50 | | |
| | Ni75U-CP80-VP4X2 | M1540801 | <i>Uprox</i> | | 75 | | |
| | Bi40-CP80-FDZ30X2 | M4230901 | <i>Prog. Outputs</i> | • | 40 | 2-Wire AC/DC Short-Circuit Protected | |
| | Ni50-CP80-FDZ30X2 | M4232100 | <i>Prog. Outputs</i> | | 50 | | |
| | Ni50-CP80-FDZ30X2/S100 | M4229000 | <i>High Temp. 100°C</i> | | 50 | | |
| | Ni75U-CP80-FDZ30X2 | M4280901 | <i>Uprox</i> | | 75 | | |
| | Bi40-CP80-FZ3X2 | M1340401 | <i>Prog. Outputs</i> | • | 40 | 2-Wire AC/DC | |
| | Ni40-CP80-FZ3X2 | M1341500 | <i>Prog. Outputs</i> | | 40 | | |
| | Ni40-CP80-FZ3X2/S100 | M1345300 | <i>High Temp. 100°C</i> | | 40 | | |
| | Ni50-CP80-FZ3X2 | M1341600 | <i>Prog. Outputs</i> | | 50 | | |
| | Ni40-CP80-Y1 | M1040000 | | | | 40 | 2-Wire NAMUR |
| | Ni50-CP80-Y1 | M1040100 | | | | 50 | |

For detailed sensor specifications see Section M.
Normally Closed versions available upon request, consult factory.

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| Voltage | Switching Freq. (Hz) | Operating Current (mA) | Operating Temp. (°C) | Protection | Housing | Front Cap/Face | Power LED | Output LED | Mating Cord/ Cable Length/Jacket | Wiring Diagram # | Wiring Diagrams |
|--------------------------|----------------------|------------------------|----------------------|------------|---------|----------------|-----------|------------|----------------------------------|------------------|----------------------|
| 10-30 VDC | 250 | ≤200 | -30 to +85 | IP 67 | PBT | PBT | GN | YE | - - - - | 1 | Diagram 1 |
| 10-30 VDC | 250 | ≤200 | -30 to +85 | IP 67 | PBT | PBT | GN | YE | - - - - | 2 | Diagram 2 |
| 10-65 VDC | 100 | ≤200 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 3 | Diagram 3 |
| | 100 | ≤200 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 3 | |
| | 100 | ≤200 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 3 | |
| | 250 | ≤200 | -30 to +85 | IP 67 | PBT | PBT | GN | YE | - - - - | 3 | |
| 10-65 VDC | 100 | ≤200 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 4 | Diagram 4 |
| | 100 | ≤200 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 4 | |
| | 100 | ≤200 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 4 | |
| | 250 | ≤200 | -30 to +85 | IP 67 | PBT | PBT | GN | YE | - - - - | 4 | |
| 20-250 VAC 10-300 VDC | 60 | ≤400/300 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 5 | Diagram 5 |
| | 100 | ≤400/300 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 5 | |
| | 20 | ≤400/300 | -25 to +100 | IP 67 | PBT | PBT | GN | YE | - - - - | 5 | |
| | 25 | ≤400/300 | -30 to +85 | IP 67 | PBT | PBT | GN | YE | - - - - | 5 | |
| 20-250 VAC 10-300 VDC | 20 | ≤400/300 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 5 | |
| | 20 | ≤400/300 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 5 | |
| | 20 | ≤400/300 | -25 to +100 | IP 67 | PBT | PBT | GN | YE | - - - - | 5 | |
| | 20 | ≤400/300 | -25 to +70 | IP 67 | PBT | PBT | GN | YE | - - - - | 5 | |
| 5-30 VDC | 100 | Remote | -25 to +70 | IP 67 | PBT | PBT | N/A | N/A | - - - - | 6 | Diagram 6 |
| | 100 | Remote | -25 to +70 | IP 67 | PBT | PBT | N/A | N/A | - - - - | 6 | |

Rectangular

For material descriptions see page M36.