

Inductive proximity sensors, PCID series



| | |
|------------------------|--------------------|
| Type of sensor | inductive |
| Body material | brass |
| Supply voltage | 10...30V DC |
| Max. operating current | 200mA |
| Operating temperature | -25...70°C |
| IP rating | IP67 |

| Symbol | Plating material | Housing | Kind of forehead | Range [mm] | Output conf. | Connection | Number of pins | $f_{switch. max}$ [Hz] | Overall len. [mm] | Lea len. [m] |
|------------------------------|------------------|---------|------------------|---------------|--------------|------------|----------------|---------------------------|----------------------|-----------------|
| PCID-1.5ZP | nickel | M8 | embedded | 0...1.5 | PNP / NO | cables | - | 3k | 45 | 2 |
| PCID-1.5RP | nickel | M8 | embedded | 0...1.5 | PNP / NC | cables | - | 5k | 45 | 2 |
| PCID-1.5ZN | nickel | M8 | embedded | 0...1.5 | NPN / NO | cables | - | 3k | 45 | 2 |
| PCID-1.5RN | nickel | M8 | embedded | 0...1.5 | NPN / NC | cables | - | 3k | 45 | 2 |
| PCID-1.5ZP-K | nickel | M8 | embedded | 0...1.5 | PNP / NO | M8 male | 3 | 3k | 50 | - |
| PCID-1.5RP-K | nickel | M8 | embedded | 0...1.5 | PNP / NC | M8 male | 3 | 3k | 50 | - |
| PCID-1.5ZN-K | nickel | M8 | embedded | 0...1.5 | NPN / NO | M8 male | 3 | 3k | 50 | - |
| PCID-1.5RN-K | nickel | M8 | embedded | 0...1.5 | NPN / NC | M8 male | 3 | 3k | 50 | - |
| PCID-2ZP | nickel | M12 | embedded | 0...2 | PNP / NO | cables | - | 1k | 61 | 2 |
| PCID-2RP | nickel | M12 | embedded | 0...2 | PNP / NC | cables | - | 1k | 61 | 2 |
| PCID-2ZN | nickel | M12 | embedded | 0...2 | NPN / NO | cables | - | 1k | 61 | 2 |
| PCID-2RN | nickel | M12 | embedded | 0...2 | NPN / NC | cables | - | 1k | 61 | 2 |
| PCID-2ZP-K | nickel | M12 | embedded | 0...2 | PNP / NO | M12 male | 4 | 1k | 71 | - |
| PCID-2RP-K | nickel | M12 | embedded | 0...2 | PNP / NC | M12 male | 4 | 1k | 71 | - |
| PCID-2ZN-K | nickel | M12 | embedded | 0...2 | NPN / | M12 male | 4 | 1k | 71 | - |

| Symbol | Plating material | Housing | Kind of forehead | Range | Output conf. | Connection | Number of pins | f _{switch. max} | Overall len. | Lead len. |
|----------------------------|------------------|---------|------------------|---------------|--------------|------------|----------------|--------------------------|--------------|-----------|
| PCID-2RN-K | nickel | M12 | embedded | 0...2 [mm] | NPN / NC | M12 male | 4 | [Hz] | 71 [mm] | [m] |
| PCID-4ZP | nickel | M12 | non-embedded | 0...4 | PNP / NO | cables | - | 800 | 61 | 2 |
| PCID-4RP | nickel | M12 | non-embedded | 0...4 | PNP / NC | cables | - | 800 | 61 | 2 |
| PCID-4ZN | nickel | M12 | non-embedded | 0...4 | NPN / NO | cables | - | 800 | 61 | 2 |
| PCID-4RN | nickel | M12 | non-embedded | 0...4 | NPN / NC | cables | - | 800 | 61 | 2 |
| PCID-4ZP-K | nickel | M12 | non-embedded | 0...4 | PNP / NO | M12 male | 4 | 800 | 71 | - |
| PCID-4RP-K | nickel | M12 | non-embedded | 0...4 | PNP / NC | M12 male | 4 | 800 | 71 | - |
| PCID-4ZN-K | nickel | M12 | non-embedded | 0...4 | NPN / NO | M12 male | 4 | 800 | 71 | - |
| PCID-4RN-K | nickel | M12 | non-embedded | 0...4 | NPN / NC | M12 male | 4 | 800 | 71 | - |
| PCID-5ZP | nickel | M18 | embedded | 0...5 | PNP / NO | cables | - | 800 | 76 | 2 |
| PCID-5RP | nickel | M18 | embedded | 0...5 | PNP / NC | cables | - | 800 | 76 | 2 |
| PCID-5ZN | nickel | M18 | embedded | 0...5 | NPN / NO | cables | - | 800 | 76 | 2 |
| PCID-5RN | nickel | M18 | embedded | 0...5 | NPN / NC | cables | - | 800 | 76 | 2 |
| PCID-5ZP-K | nickel | M18 | embedded | 0...5 | PNP / NO | M12 male | 4 | 800 | 91 | - |
| PCID-5RP-K | nickel | M18 | embedded | 0...5 | PNP / NC | M12 male | 4 | 800 | 91 | - |
| PCID-5ZN-K | nickel | M18 | embedded | 0...5 | NPN / NO | M12 male | 4 | 800 | 91 | - |
| PCID-5RN-K | nickel | M18 | embedded | 0...5 | NPN / NC | M12 male | 4 | 800 | 91 | - |
| PCID-8ZP | nickel | M18 | non-embedded | 0...8 | PNP / NO | cables | - | 500 | 76 | 2 |
| PCID-8RP | nickel | M18 | non-embedded | 0...8 | PNP / NC | cables | - | 500 | 76 | 2 |
| PCID-8ZN | nickel | M18 | non-embedded | 0...8 | NPN / NO | cables | - | 500 | 76 | 2 |
| PCID-8RN | nickel | M18 | non-embedded | 0...8 | NPN / NC | cables | - | 500 | 76 | 2 |
| PCID-8ZP-K | nickel | M18 | non-embedded | 0...8 | PNP / NO | M12 male | 4 | 500 | 91 | - |
| PCID-8RP-K | nickel | M18 | non-embedded | 0...8 | PNP / NC | M12 male | 4 | 500 | 91 | - |
| PCID-8ZN-K | nickel | M18 | non-embedded | 0...8 | NPN / NO | M12 male | 4 | 500 | 91 | - |
| PCID-8RN-K | nickel | M18 | non-embedded | 0...8 | NPN / NC | M12 male | 4 | 500 | 91 | - |
| PCID-10ZP | nickel | M30 | embedded | 0...10 | PNP / NO | cables | - | 300 | 77 | 2 |
| PCID-10RP | nickel | M30 | embedded | 0...10 | PNP / NC | cables | - | 300 | 77 | 2 |
| PCID-10ZN | nickel | M30 | embedded | 0...10 | NPN / NO | cables | - | 300 | 77 | 2 |
| PCID-10RN | nickel | M30 | embedded | 0...10 | NPN / NC | cables | - | 300 | 77 | 2 |

| PCID-10RP-K Symbol | nickel Plating material | M30 Housing | embedded Kind of forehead | 0...10 Range [mm] | PNP / NC Output conf. NPN / NO | M12 male Connection | Number of pins | 300 f _{switch.} max [Hz] | 92 Overall len. [mm] | Lead len. [m] |
|---------------------------------------|-------------------------------|----------------|---------------------------------|-------------------------|---|------------------------|-------------------|--|-------------------------------|---------------------|
| PCID-10ZN-K | nickel | M30 | embedded | 0...10 | NPN / NC | M12 male | 4 | 300 | 92 | - |
| PCID-10RN-K | nickel | M30 | embedded | 0...10 | NPN / NC | M12 male | 4 | 300 | 92 | - |
| PCID-15ZP | nickel | M30 | non- embedded | 0...15 | PNP / NO | cables | - | 100 | 77 | 2 |
| PCID-15RP | nickel | M30 | non- embedded | 0...15 | PNP / NC | cables | - | 100 | 77 | 2 |
| PCID-15ZN | nickel | M30 | non- embedded | 0...15 | NPN / NO | cables | - | 100 | 77 | 2 |
| PCID-15RN | nickel | M30 | non- embedded | 0...15 | NPN / NC | cables | - | 100 | 77 | 2 |
| PCID-15ZP-K | nickel | M30 | non- embedded | 0...15 | PNP / NO | M12 male | 4 | 100 | 92 | - |
| PCID-15RP-K | nickel | M30 | non- embedded | 0...15 | PNP / NC | M12 male | 4 | 100 | 92 | - |
| PCID-15ZN-K | nickel | M30 | non- embedded | 0...15 | NPN / NO | M12 male | 4 | 100 | 92 | - |
| PCID-15RN-K | nickel | M30 | non- embedded | 0...15 | NPN / NC | M12 male | 4 | 100 | 92 | - |
| PCID2ZPKW-M8-45-M8 | nickel | M8 | embedded | 0...2 | PNP / NO | M8 male | 3 | 2k | 45 | - |
| PCID3ZPKW-M8-45-M8 | nickel | M8 | embedded | 0...3 | PNP / NO | M8 male | 3 | 1k | 45 | - |
| PCID3ZPWM8452M | nickel | M8 | embedded | 0...3 | PNP / NO | cables | - | - | 45 | 2 |
| PCID3RPKWM832M8 | brass | M8 | embedded | 0...3 | PNP / NC | M8 male | 3 | 1k | 32 | - |
| PCID6ZPKM845M8 | brass | M8 | non- embedded | 0...6 | PNP / NO | M8 male | 3 | 500 | 45 | - |



Electronic Components

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