



M12 Female Socket Right Angle PCB Back Fastened Connector for Wireless Pressure Transmitter



| Basic Information   |                                                          |
|---------------------|----------------------------------------------------------|
| Connector Type      | Receptacle                                               |
| Contact Termination | PCB Solder                                               |
| Fastening Type      | Threaded                                                 |
| Gender              | Female                                                   |
| Key                 | A, B, D                                                  |
| Mounting Type       | Panel Mount                                              |
| Mounting Feature    | Back Fastened                                            |
| Number of Positions | 12 Pin, 17 Pin, 2 Pin, 3 Pin, 4 Pin, 5 Pin, 6 Pin, 8 Pin |
| Orientation         | Right Angle                                              |
| Product Type        | Panel Mount Receptacle                                   |
| Shell Size          | M12                                                      |

### Material Specification

|                     |              |
|---------------------|--------------|
| Contact Finish      | Gold Plating |
| Contact Material    | Copper Alloy |
| Insulation Material | PA66         |
| Shell Finish        | Zinc Plating |
| Shell Material      | Metal        |

### Electrical Specification

|               |                                                      |
|---------------|------------------------------------------------------|
| Rated Current | 1.5A for 12/17 Pin, 2A for 8 Pin, 4A for 3/4/5 Pin   |
| Rated Voltage | 250V for 3/4 Pin, 30V for 8/12/17 Pin, 60V for 5 Pin |
| Shielding     | Unshielded                                           |

### Environmental Specification

|                       |                |
|-----------------------|----------------|
| Ingress Protection    | IP67, IP68     |
| Operating Temperature | -25°C ~ + 85°C |

### Mechanical Specification

|               |      |
|---------------|------|
| Mating Cycles | ≥500 |
|---------------|------|

### Contact Layout

| Pins | Rated current | Rated voltage |      | Wire gauge |      | Female Contact                                                                      |                                                                                     |                                                                                      | Male Contact                                                                          |                                                                                       |                                                                                       |
|------|---------------|---------------|------|------------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|      |               | AC            | D/C  | AWG        | mm²  | A-Code                                                                              | B-Code                                                                              | D-Code                                                                               | A-Code                                                                                | B-Code                                                                                | D-Code                                                                                |
| 2    | 4A            | 250V          | 250V | 22         | 0.34 |  |                                                                                     |                                                                                      |  |                                                                                       |                                                                                       |
| 3    | 4A            | 250V          | 250V | 22         | 0.34 |  |                                                                                     |                                                                                      |  |                                                                                       |                                                                                       |
| 4    | 4A            | 250V          | 250V | 22         | 0.34 |  |                                                                                     |  |  |                                                                                       |  |
| 5    | 4A            | 60V           | 60V  | 22         | 0.34 |  |  |                                                                                      |  |  |                                                                                       |
| 6    | 2A            | 30V           | 30V  | 24         | 0.25 |  |                                                                                     |                                                                                      |  |                                                                                       |                                                                                       |
| 8    | 2A            | 30V           | 30V  | 24         | 0.25 |  |                                                                                     |                                                                                      |  |                                                                                       |                                                                                       |
| 12   | 1.5A          | 30V           | 30V  | 26         | 0.14 |  |                                                                                     |                                                                                      |  |                                                                                       |                                                                                       |
| 17   | 1.5A          | 30V           | 30V  | 26         | 0.14 |  |                                                                                     |                                                                                      |  |                                                                                       |                                                                                       |

## Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.