



M12 Male Right Angle Field Wireable Connector,  
Shielded Metal Shell, Solder Cup, IP67

Part Number:

**RHT-634-3293**

### Basic Information

|                     |                                                  |
|---------------------|--------------------------------------------------|
| Contact Termination | Solder Cup                                       |
| Contact Type        | Male                                             |
| Key                 | A, B, D                                          |
| Number of Positions | 12 Pin, 2 Pin, 3 Pin, 4 Pin, 5 Pin, 6 Pin, 8 Pin |
| Orientation         | Angled                                           |

### Material Specification

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Body Material       | Nickel Plated, Zinc Alloy                                                                                              |
| Contact Finish      | Gold                                                                                                                   |
| Contact Material    | Brass                                                                                                                  |
| Insulation Material | TPU                                                                                                                    |
| Screw Nut Material  | Brass, Nickel Plated                                                                                                   |
| Seal                | Black, NBR                                                                                                             |
| Wire Gauge          | 22AWG/0.34mm <sup>2</sup> for 2/3/4/5 Pin, 24AWG/0.25mm <sup>2</sup> for 6/8 Pin, 26AWG/0.14mm <sup>2</sup> for 12 Pin |

### Electrical Specification

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| Contact Resistance    | ≤5MΩ                                                  |
| Insulation Resistance | ≥100MΩ                                                |
| Rated Current         | 1.5A for 12 Pin, 2A for 6/8 Pin, 4A for 2/3/4/5 Pin   |
| Rated Voltage         | 250V for 2/3/4 Pin, 30V for 6/8/12 Pin, 60V for 5 Pin |
| Shielding             | Shielded                                              |

### Mechanical Specification

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

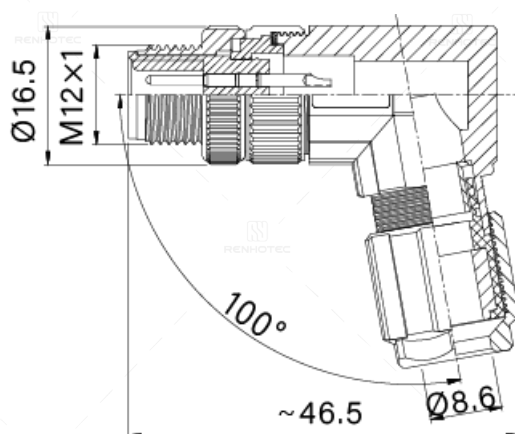
## Environmental Specification

|                   |               |
|-------------------|---------------|
| Protection Rating | IP67(Mated)   |
| Temperature range | -25°C ~ +80°C |

## 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 |  |                                                                                   |                                                                                    |  |                                                                                     |        |

## Size



## 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.