



## M12 Female Plug Right Angle Unshielded Field Wireable Connector, Screw Termination

Part Number:

**RHT-634-3564**

### Basic Information

|                     |                                 |
|---------------------|---------------------------------|
| Contact Termination | Screw Termination               |
| Gender              | Female                          |
| Key                 | K, L, M, S, T                   |
| Number of Positions | 2, 2+PE, 3, 3+PE, 4, 4+PE, 5+PE |
| Orientation         | Right Angle                     |
| Product Type        | Field Wireable Connector        |

### Material Specification

|                     |                           |
|---------------------|---------------------------|
| Body Material       | PA66                      |
| Contact Finish      | Gold                      |
| Contact Material    | Brass                     |
| Insulation Material | PA66                      |
| Screw Nut Material  | Nickel Plated, Zinc       |
| Seal                | Black, NBR                |
| Wire Gauge          | 22AWG/0.34mm <sup>2</sup> |

### Electrical Specification

|                       |            |
|-----------------------|------------|
| Contact Resistance    | ≤5mΩ       |
| Insulation Resistance | ≥100MΩ     |
| Rated Current         | 12A        |
| Rated Voltage         | 630V       |
| Shielding             | Unshielded |

## Environmental Specification

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

## Mechanical Specification

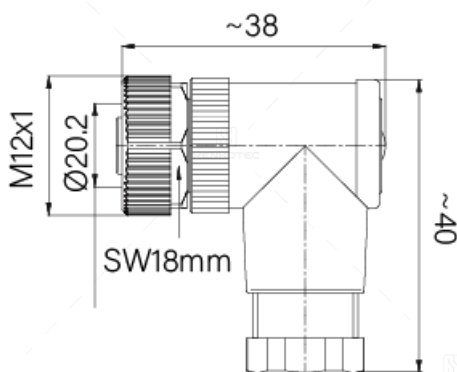
|               |      |
|---------------|------|
| Mating Cycles | ≥500 |
|---------------|------|

## Contact Layout

| Interface Code type | Pins | Rated current | Rated voltage | Wire gauge | Female Contact | Male Contact |
|---------------------|------|---------------|---------------|------------|----------------|--------------|
| S-Code              | 3    | 12A           | 630V          | 16         | 1.5            |              |
|                     | 4    | 12A           | 630V          | 16         | 1.5            |              |
| T-Code              | 2    | 12A           | 60V           | 16         | 1.5            |              |
|                     | 2+PE | 12A           | 60V           | 16         | 1.5            |              |
|                     | 3+PE | 12A           | 60V           | 16         | 1.5            |              |
| K-Code              | 2    | 16A           | 800V          | 16         | 2.5            |              |
|                     | 2+PE | 16A           | 800V          | 16         | 2.5            |              |
|                     | 3+PE | 16A           | 800V          | 16         | 2.5            |              |
|                     | 4+PE | 16A           | 800V          | 16         | 2.5            |              |
| L-Code              | 2    | 16A           | 63A           | 14         | 2.5            |              |
|                     | 2+PE | 16A           | 63A           | 14         | 2.5            |              |
|                     | 3    | 16A           | 63A           | 14         | 2.5            |              |
|                     | 3+PE | 16A           | 63A           | 14         | 2.5            |              |
|                     | 4    | 16A           | 63A           | 14         | 2.5            |              |
|                     | 4+PE | 16A           | 63A           | 14         | 2.5            |              |

| Interface Code type | Pins | Rated current | Rated voltage |      | Wire gauge |     | Female Contact | Male Contact |
|---------------------|------|---------------|---------------|------|------------|-----|----------------|--------------|
|                     |      |               | A/C           | D/C  | AWG        | mm² |                |              |
| M-Code              | 2    | 8A            | 630V          | 630V | 16         | 1.5 |                |              |
|                     | 2+PE | 8A            | 630V          | 630V | 16         | 1.5 |                |              |
|                     | 3+PE | 8A            | 630V          | 630V | 16         | 1.5 |                |              |
|                     | 4+PE | 8A            | 630V          | 630V | 16         | 1.5 |                |              |
|                     | 5+PE | 8A            | 630V          | 630V | 16         | 1.5 |                |              |

## 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.