

## FEATURES

- Provides quick and easy connection and disconnection
- Fully Insulated for protection against electrical shock
- Double crimp design with an internal copper sleeve
- Tin plating for resistance to corrosion
- Colour coded insulation for easy identification

## RS PRO Red Insulated Spade Connector, 6.3 x 0.8mm Tab Size, 0.5mm<sup>2</sup> to 1.5mm<sup>2</sup>

RS Stock No.: 534-351



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

### Product Description

From RS PRO a high-quality insulated crimp receptacle terminal sometimes known as a female quick disconnect. Female crimp receptacles are a type of electrical wiring connector which, when mated with a male tab connector (or male quick disconnect), provide a fast and reliable interconnect between two wires. The body of the connector is made from tin plated brass and features an additional internal copper sleeve. This copper sleeve strengthens the barrel and provides a robust and secure crimp. The sleeve also protects the wire against stress and high vibration. The receptacle also has a plastic insulation which provides protection against electric shock and offers protection from dirt, grease, liquids and other contaminants. The colour of the insulation matches the wire size that the connector is used with making identification quick and easy.

### General Specifications

|                            |                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Insulation</b>          | Insulated                                                                                                                                                                                       |
| <b>Insulation Material</b> | Vinyl                                                                                                                                                                                           |
| <b>Termination Method</b>  | Crimp                                                                                                                                                                                           |
| <b>Contact Plating</b>     | Tin                                                                                                                                                                                             |
| <b>Contact Material</b>    | Brass                                                                                                                                                                                           |
| <b>Colour</b>              | Red                                                                                                                                                                                             |
| <b>Applications</b>        | Industrial control systems; Industrial machines; Automotive applications; Communication equipment; Power supplies; HVAC; Domestic appliances including dishwashers, washing machines and dryers |
| <b>Gender</b>              | Female                                                                                                                                                                                          |
| <b>Shrouded/Unshrouded</b> | Shrouded                                                                                                                                                                                        |

### Electrical Specifications

|                       |      |
|-----------------------|------|
| <b>Current Rating</b> | 10A  |
| <b>Voltage Rating</b> | 300V |

### Mechanical Specifications

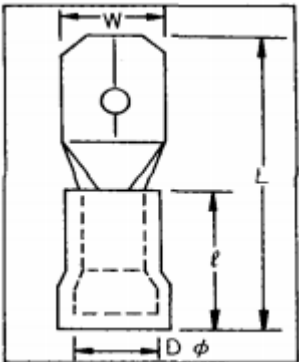
|                          |                    |
|--------------------------|--------------------|
| <b>Minimum Wire Size</b> | 0.5mm <sup>2</sup> |
| <b>Maximum Wire Size</b> | 1.5mm <sup>2</sup> |

# Spade Connectors

|                         |               |
|-------------------------|---------------|
| Tab Size                | 6.3mm x 0.8mm |
| Minimum Wire Size (AWG) | 16AWG         |
| Maximum Wire Size (AWG) | 22AWG         |
| Overall Length          | 21.5mm        |

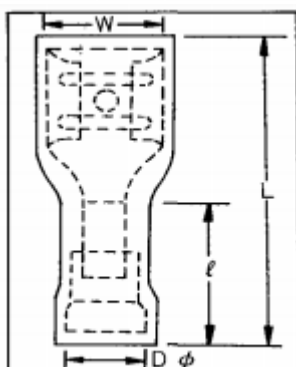
## Operation Environment Specifications

|                    |      |
|--------------------|------|
| Temperature Rating | 75°C |
|--------------------|------|



# Spade Connectors

| Part No.  | Insulation Color. | Wire Range |                 | Dimension |          |      |        | Tab Size           |                  |
|-----------|-------------------|------------|-----------------|-----------|----------|------|--------|--------------------|------------------|
|           |                   | AWG        | mm <sup>2</sup> | W         | D $\phi$ | L    | $\ell$ | AWG                | mm               |
| 631288 VH | RED               | 22-16      | 0.5-1.5         | 2.8       | 4.3      | 19.9 | 9.8    | .110 $\times$ .032 | 2.8 $\times$ 0.8 |
| 631485 VH | RED               | 22-16      | 0.5-1.5         | 4.8       | 4.3      | 19.6 | 9.8    | .187 $\times$ .020 | 4.8 $\times$ 0.5 |
| 631488 VH | RED               | 22-16      | 0.5-1.5         | 4.8       | 4.3      | 20.0 | 9.8    | .187 $\times$ .032 | 4.8 $\times$ 0.8 |
| 631638 VH | RED               | 22-16      | 0.5-1.5         | 6.3       | 4.3      | 20.7 | 9.8    | .250 $\times$ .032 | 6.3 $\times$ 0.8 |
| 635485 VH | BLUE              | 16-14      | 1.5-2.5         | 4.8       | 4.9      | 19.0 | 9.8    | .187 $\times$ .020 | 4.8 $\times$ 0.5 |
| 635638 VH | BLUE              | 16-14      | 1.5-2.5         | 6.3       | 4.9      | 21.3 | 9.8    | .250 $\times$ .032 | 6.3 $\times$ 0.8 |
| 633638 VH | YELLOW            | 12-10      | 2.5-6.0         | 6.3       | 6.6      | 25.0 | 13.8   | .250 $\times$ .032 | 6.3 $\times$ 0.8 |



| Part No.   | Insulation Color. | Wire Range |                 | Dimension |          |      |        | Tab Size           |                  |
|------------|-------------------|------------|-----------------|-----------|----------|------|--------|--------------------|------------------|
|            |                   | AWG        | mm <sup>2</sup> | W         | D $\phi$ | L    | $\ell$ | AWG                | mm               |
| 381285 FEH | RED               | 22-16      | 0.5-1.5         | 4.3       | 4.3      | 20.0 | 10.0   | .110 $\times$ .020 | 2.8 $\times$ 0.5 |
| 381288 FEH | RED               | 22-16      | 0.5-1.5         | 4.3       | 4.3      | 20.0 | 10.0   | .110 $\times$ .032 | 2.8 $\times$ 0.8 |
| 381485 VH  | RED               | 22-16      | 0.5-1.5         | 6.0       | 4.3      | 20.0 | 10.0   | .187 $\times$ .020 | 4.8 $\times$ 0.5 |
| 381488 VH  | RED               | 22-16      | 0.5-1.5         | 6.0       | 4.3      | 20.0 | 10.0   | .187 $\times$ .032 | 4.8 $\times$ 0.8 |
| 381638 VH  | RED               | 22-16      | 0.5-1.5         | 8.2       | 4.3      | 22.0 | 10.5   | .250 $\times$ .032 | 6.3 $\times$ 0.8 |
| 385485 VH  | BLUE              | 16-14      | 1.5-2.5         | 6.0       | 4.8      | 20.6 | 10.0   | .187 $\times$ .020 | 4.8 $\times$ 0.5 |
| 385488 VH  | BLUE              | 16-14      | 1.5-2.5         | 6.0       | 4.8      | 20.6 | 10.0   | .187 $\times$ .032 | 4.8 $\times$ 0.8 |
| 385638 VH  | BLUE              | 16-14      | 1.5-2.5         | 8.2       | 4.8      | 21.3 | 10.5   | .250 $\times$ .032 | 6.3 $\times$ 0.8 |
| 383638 VH  | YELLOW            | 12-10      | 2.5-6.0         | 7.8       | 6.0      | 25.5 | 13.7   | .250 $\times$ .032 | 6.3 $\times$ 0.8 |
| 383912 VH  | YELLOW            | 12-10      | 2.5-6.0         | 11.7      | 6.0      | 30.0 | 13.7   | .375 $\times$ .047 | 9.5 $\times$ 1.2 |