

# PCB Plug-In Connectors

3.50 mm Pin Spacing

- Horizontal Plug
- 11A Current Rating



## SHxx-3,50

### Electrical Ratings

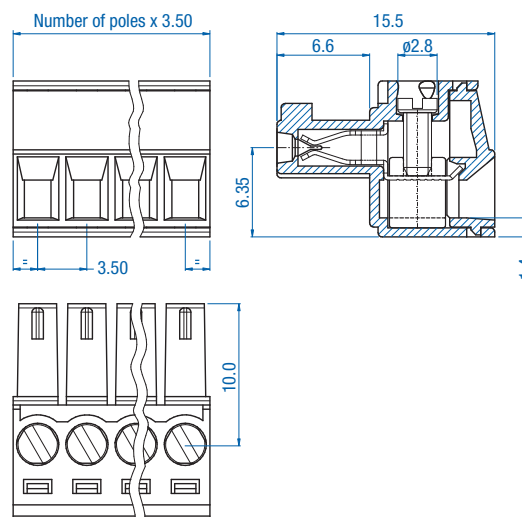
| Usergroup       | B        | C | D        | -                                       |
|-----------------|----------|---|----------|-----------------------------------------|
| Rated Voltage   | 300V     | - | 300V     | 160V                                    |
| Rated Current   | 11A      | - | 11A      | 8A                                      |
| Wire Size       |          |   |          |                                         |
| <i>solid</i>    | 30-14AWG | - | 30-14AWG | 0.25mm <sup>2</sup> -1.5mm <sup>2</sup> |
| <i>stranded</i> | 30-14AWG | - | 30-14AWG | 0.25mm <sup>2</sup> -1.5mm <sup>2</sup> |



### Ordering Information (3.50 mm Spacing)

| No. Poles | Order #   | Length (mm) | Std. Pack |
|-----------|-----------|-------------|-----------|
| 2         | SH02-3,50 | 7.0         | 100       |
| 3         | SH03-3,50 | 10.5        | 100       |
| 4         | SH04-3,50 | 14.0        | 50        |
| 5         | SH05-3,50 | 17.5        | 50        |
| 6         | SH06-3,50 | 21.0        | 50        |
| 7         | SH07-3,50 | 24.6        | 50        |
| 8         | SH08-3,50 | 28.0        | 50        |
| 9         | SH09-3,50 | 31.5        | 50        |
| 10        | SH10-3,50 | 35.0        | 50        |
| 11        | SH11-3,50 | 38.5        | 50        |
| 12        | SH12-3,50 | 42.0        | 50        |
| 13        | SH13-3,50 | 45.5        | 20        |
| 14        | SH14-3,50 | 49.0        | 20        |
| 15        | SH15-3,50 | 52.5        | 20        |
| 16        | SH16-3,50 | 56.0        | 20        |
| 17        | SH17-3,50 | 59.5        | 20        |
| 18        | SH18-3,50 | 63.0        | 20        |
| 19        | SH19-3,50 | 66.5        | 20        |
| 20        | SH20-3,50 | 70.0        | 20        |
| 21        | SH21-3,50 | 73.5        | 20        |
| 22        | SH22-3,50 | 77.0        | 20        |
| 23        | SH23-3,50 | 81.5        | 20        |
| 24        | SH24-3,50 | 84.0        | 20        |

### Dimensions (mm)



### Material Specifications

|                       |                     |
|-----------------------|---------------------|
| Screws                | Galvanized Steel    |
| Clamp                 | Nickel Copper Alloy |
| Contact Spring        | Nickel Copper Alloy |
| Insulating Material   | Polyamide           |
| Flammability Class    | V0 UL94             |
| Operating Temperature | -30°C - +105°C      |

### Installation Data

|                  |                     |
|------------------|---------------------|
| Screw Size       | M2                  |
| Torque           | 0.25Nm (2.3 lb.in.) |
| Stripping Length | max. 8mm            |
| Clamp Opening    | 1.8 x 2.6 mm        |

### Mating Headers

#### Single Row

PVPxx-3,50 PHPxx-3,50 PVxx-3,50 PHxx-3,50

#### Double Row

|                |                |
|----------------|----------------|
| PDVxx-3,50-V-M | PDVxx-3,50-H-M |
| PDVxx-3,50-V-P | PDVxx-3,50-H-P |