

Bolt Assist

DESCRIPTION

Connection system mated by action of bolt screw down feature. Can be used in situation where unassisted insertion force is greater than 250N.

BENEFITS

- Unlimited reduction ratio
- Can reduce number of connector assemblies required

SPECIFICATIONS

| | | |
|-----------------------------|-----------------|---|
| Material | Connector | HPA |
| | Male Terminal | Copper Alloy (Sn/Au Plate) |
| | Female Terminal | Copper Alloy (Sn/Au Plate) |
| Operating Temperature Range | | -40°C ~ 100°C (120°C max temp.) (USCAR Class II) |
| Operating Temperature Range | | -40°C ~ 125°C (145°C max temp.) (USCAR Class III) |
| Voltage Drop | | 10mV <max (Term./Term.) (Crimp-To-Crimp) |
| Isolation resistance | | 500VDC, 20MΩ Min |
| Dielectric Resistance | | 1000VAC (1 min.) |



7283-5631-30



7283-5632-40



7283-4846-30



7283-4847-30

| Pole | Polarity | Color / Description | Female Part # | Wire Shield |
|------|----------|---------------------------------|---------------|-------------|
| 26 | A | Black 20x2.8, 6x6.3/HPA | 7283-5631-30 | |
| 26 | B | Light Grey 20x2.8, 6x6.3/HPA | 7283-5632-40 | |
| 36 | A | Black 20x1.5, 12x2.8, 4x6.3/PBT | 7283-4846-30 | 7134-4691 |
| 68 | A | Black 56x1.5, 8x2.8, 4x6.3/PBT | 7283-4847-30 | 7134-4692 |

Terminals

| Description | | Part Number | Plating | Applicable Wire Size | | |
|------------------|-----------------|------------------|------------------|---------------------------|--------------|--------------------------|
| | | | | Europe (mm ²) | U.S.A. (AWG) | Japan (mm ²) |
| Male Terminal | 1.5mm | 7114-4100-02/-08 | Sn/Au | 0.35 ~ 0.5 | 22 ~ 20 | 0.3 ~ 0.5 |
| | | 7114-4101-02/-08 | Sn/Au | 0.75 ~ 1.0 | 18 ~ 16 | 0.85 ~ 1.25 |
| | 2.8mm | 7114-4110-02 | Sn | 0.35 ~ 0.5 | 22 ~ 20 | 0.3 ~ 0.5 |
| | | 7114-4111-02 | Sn | 0.75 ~ 1.0 | 18 ~ 16 | 0.85 ~ 1.25 |
| | | 7114-4112-02 | Sn | 1.5 ~ 2.5 | 14 | 2.0 |
| | 6.3mm | 7114-4120-02 | Sn | 0.5 ~ 1.0 | 20 ~ 16 | 0.5 ~ 1.25 |
| | | 7114-4121-02 | Sn | 1.5 ~ 2.5 | 14 | 2.0 |
| | | 7114-4122-02 | Sn | 4.0 | 12 | 3.0 |
| | Female Terminal | 1.5mm | 7116-4100-02/-08 | Sn/Au | 0.35 ~ 0.5 | 22 ~ 20 |
| 7116-4101-02/-08 | | | Sn/Au | 0.75 ~ 1.0 | 18 ~ 16 | 0.85 ~ 1.25 |
| 2.8mm | | 7116-4110-02 | Sn | 0.35 ~ 0.5 | 22 ~ 20 | 0.3 ~ 0.5 |
| | | 7116-4111-02 | Sn | 0.75 ~ 1.0 | 18 ~ 16 | 0.85 ~ 1.25 |
| | | 7116-4112-02 | Sn | 1.5 ~ 2.5 | 14 | 2.0 |
| 6.3mm | | 7116-4120-02 | Sn | 0.5 ~ 1.0 | 20 ~ 16 | 0.5 ~ 1.25 |
| | | 7116-4121-02 | Sn | 1.5 ~ 2.5 | 14 | 2.0 |
| | | 7116-4122-02 | Sn | 4.0 | 12 | 3.0 |

For more information, contact info@us.yazaki.com