

Sealed YESC 6.3 x 0.8

SPECIFICATIONS

| | | |
|---|-----------------|---|
| Material | Connector | HPA |
| | Male Terminal | Copper Alloy (Sn/Au Plate) |
| | Female Terminal | Copper Alloy (Sn/Au Plate) |
| 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.) |
| Applicable Wire Size | | 20AWG ~ 12AWG (0.50mm ² ~ 4.0mm ²) |
| Terminal Pitch | | Horizontal: 9.80mm; Vertical 9.80mm |
| Sealing Performance (Air Leak Pressure) | | 48kPa Min (Pre-Heat Soak); 28kPa (Post-Heat Soak) |
| Terminal-to-Connector Retention Force | | 90N Min |
| Connector-to-Connector Retention Force | | 110N Min |

Terminal

| Description | Part Number | Plating | Applicable Wire Size | | |
|-----------------|--------------|---------|---------------------------|--------------|--------------------------|
| | | | Europe (mm ²) | U.S.A. (AWG) | Japan (mm ²) |
| Male Terminal | 7114-4140-02 | Sn | 0.5 ~ 1.0 | 20 ~ 16 | 0.5 ~ 1.25 |
| | 7114-4141-02 | Sn | 1.5 ~ 2.5 | 14 | 2.0 |
| | 7114-4142-02 | Sn | 4.0 | 12 | 3.0 |
| Female Terminal | 7116-4140-02 | Sn | 0.5 ~ 1.0 | 20 ~ 16 | 0.5 ~ 1.25 |
| | 7116-4141-02 | Sn | 1.5 ~ 2.5 | 14 | 2.0 |
| | 7116-4142-02 | Sn | 4.0 | 12 | 3.0 |



7282-5596-10



7283-5596-10



7282-5595-10



7283-5595-10

Part Number Summary Chart

| Part Name | Male | Female |
|---------------------------|--------------|-----------------|
| <i>Terminal</i> | 7114-4140-02 | 7116-4140-02 |
| | 7114-4141-02 | 7116-4141-02 |
| | 7114-4142-02 | 7116-4142-02 |
| <i>Cable Seal</i> | 7158-3081-50 | |
| | 7158-3082-90 | |
| | 7158-3083 | |
| | 7158-3084-40 | |
| <i>Unused Cavity Plug</i> | 7158-3080-60 | |
| <i>Applicable Clip</i> | N/A | 7047-9580 (Ref) |

| Pole | Polarity | Color Description | Male Part # | Female Part # | Female Part # (w/CPA) | Delete Cap |
|------|----------|-------------------|--------------|---------------|-----------------------|--------------|
| 2 | A | Dark Grey | 7282-5596-10 | 7283-5596-10 | 7283-5928-10 | 7283-6464-10 |
| 2 | A | Dark Grey | | | | 7283-6476-10 |
| 4 | A | Dark Grey | 7282-5595-10 | 7283-5595-10 | 7283-5929-10 | |

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