

## Sealed YESC 0.64 x 0.64

### SPECIFICATIONS

|   |                 |  |
|---|-----------------|--|
| Material                                | Connector       | PBT + GF   |
|   | 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 III)        |
| Voltage Drop                            |                 | 20m? <Max (Term./Term.) (Crimp-To-Crimp)                   |
| Isolation resistance                    |                 | 500VDC, 20M? Min   |
| Dielectric Resistance                   |                 | 1000VAC (1 min.)   |
| Applicable Wire Size                    |                 | 22AWG ~ 18AWG (0.22mm <sup>2</sup> ~ 0.76mm <sup>2</sup> ) |
| Terminal Pitch                          |                 | Horizontal: 2.54mm; Vertical 2.54mm                        |
| Sealing Performance (Air Leak Pressure) |                 | 48kPa Min (Pre-Heat Soak); 28kPa (Post-Heat Soak)          |
| Terminal-to-Connector Retention Force   |                 | 75N Min  |
| Connector-to-Connector Retention Force  |                 | 110N Min   |

### Part Number Summary Chart

| Part Name       | Male            | Female       |
|-----------------|-----------------|--------------|
| Terminal        | 7114-4720-02    | 7116-4720-02 |
|                 | 7114-4721-02    | 7116-4721-02 |
|                 | 7116-4721-08    | 7116-4720-08 |
|                 | 7116-4721-08    | 7116-4721-08 |
| Applicable Clip | 7047-9580 (Ref) | N/A          |

| Pole | Polarity | Color | Male Part #  | Female Part # | Female Part # (w/CPA) |
|------|----------|-------|--------------|---------------|-----------------------|
| 2    | A        | Black | 7282-6075-30 | 7283-6078-30  | 7283-6076-30          |



## Terminal

| Description     | Part Number  | Plating | Applicable Wire Size      |              |                          |
|-----------------|--------------|---------|---------------------------|--------------|--------------------------|
|                 |              |         | Europe (mm <sup>2</sup> ) | U.S.A. (AWG) | Japan (mm <sup>2</sup> ) |
| Male Terminal   | 7114-4720-02 | Sn      | 0.35                      | 22           | 0.3                      |
|                 | 7114-4721-02 | Sn      | 0.5 ~ 0.75                | 20 ~ 18      | 0.5 ~ 0.85               |
|                 | 7114-4720-08 | Au      | 0.35                      | 22           | 0.3                      |
|                 | 7114-4721-08 | Au      | 0.5 ~ 0.75                | 20 ~ 18      | 0.5 ~ 0.85               |
| Female Terminal | 7116-4720-02 | Sn      | 0.35                      | 22           | 0.3                      |
|                 | 7116-4721-02 | Sn      | 0.5 ~ 0.75                | 20 ~ 18      | 0.5 ~ 0.85               |
|                 | 7116-4720-08 | Au      | 0.35                      | 22           | 0.3                      |
|                 | 7116-4721-08 | Au      | 0.5 ~ 0.75                | 20 ~ 18      | 0.5 ~ 0.85               |

For more information, contact [info@us.yazaki.com](mailto:info@us.yazaki.com)