

YESC

CONNECTORS

6.3

SERIES

SEALED

CLICK ON YOUR SELECTION:

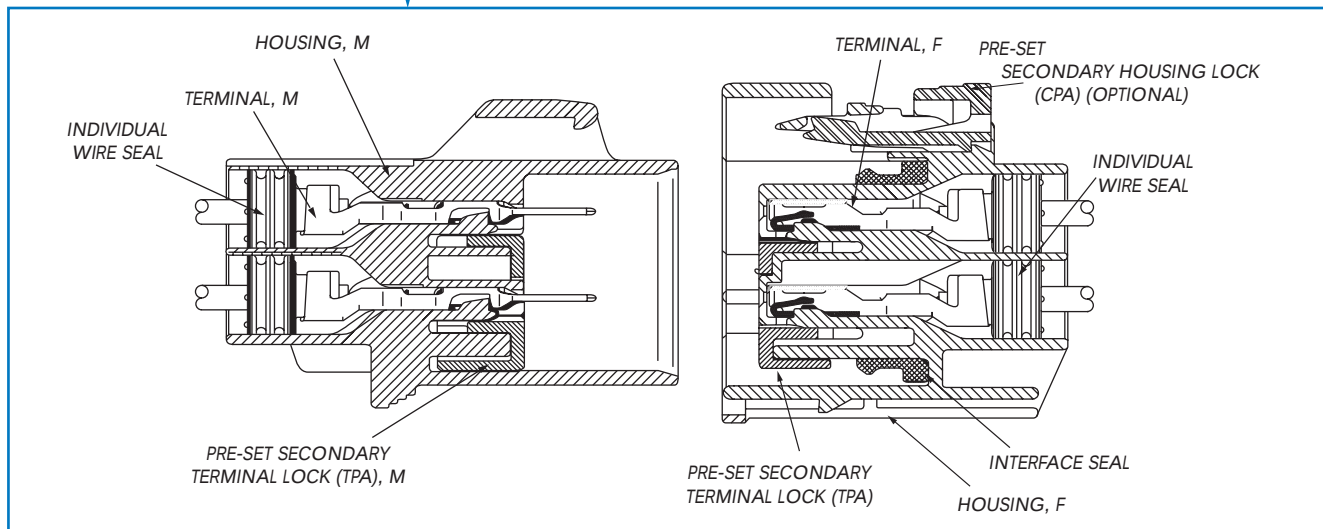
CONSTRUCTION
SPECIFICATIONS
CURRENT RATING CURVE
TERMINAL
CABLE SEAL
RETAINER CLIP/BRACKET DIMENSIONS
PART NUMBER SUMMARY CHART
PHOTOS/DIMENSIONS
NAVIGATION TIPS

6.3 SERIES
SEALED

6.3 x 0.8

sealed connection system

Construction

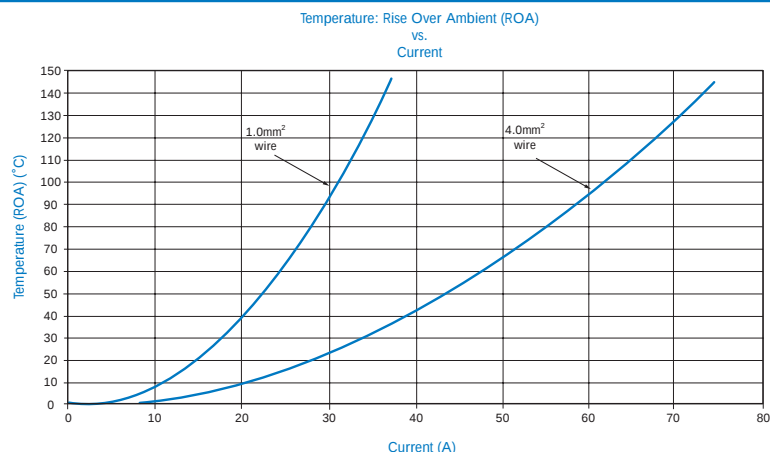


Specifications

Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn Plate)
	Female Terminal	Copper Alloy (Sn Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ 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

Current Rating Curve (Reference Only)

This data is based on single circuit/connector evaluation. Data should be used as reference only. Appropriate derating should be considered based upon specific application requirements.



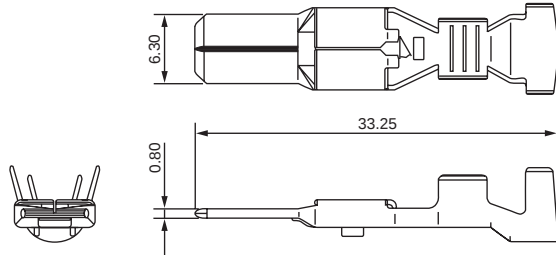
sealed connection system

6.3 x 0.8

Terminal

UNIT: mm

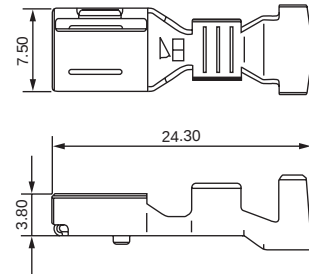
Male Terminal



Material: Copper Alloy

Thickness: t=0.4

Female Terminal



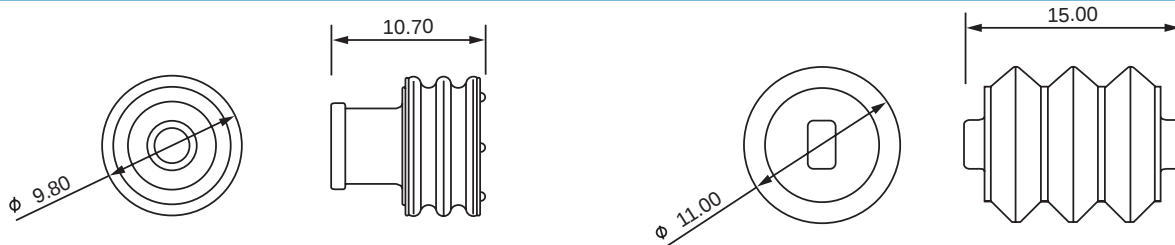
Material: Copper Alloy

Thickness: t=0.4

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

Cable Seal

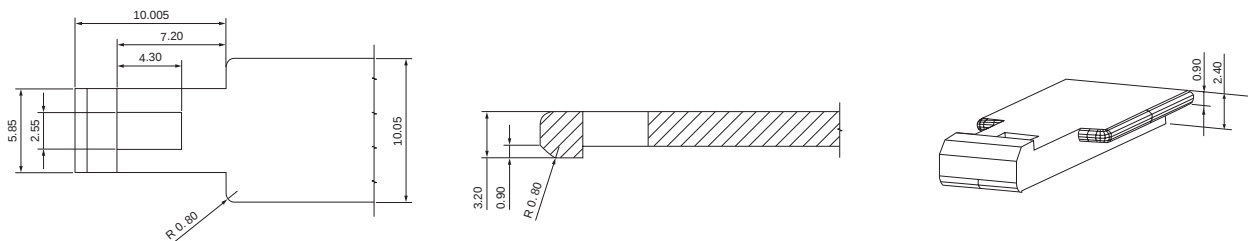
UNIT: mm



Description	Part Number	Color	Material	Wire O.D. Range
Cable Seal	7158-3081-50	Red	Silicone	1.4 ~ 2.1
	7158-3082-90	Blue	Silicone	2.18 ~ 3.0
	7158-3083	Black	Silicone	3.1 ~ 3.7
Unused Cavity Plug	7158-3080-60	Green	Silicone	N/A

Retainer Clip / Bracket Dimensions

UNIT: mm



Part Number	Panel Hole Requirements
7047-9580 (Ref.)	φ6.5mm

6.3 x 0.8

sealed connection system

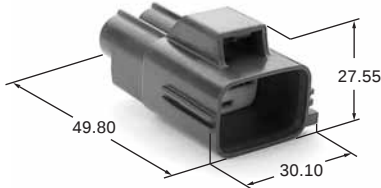
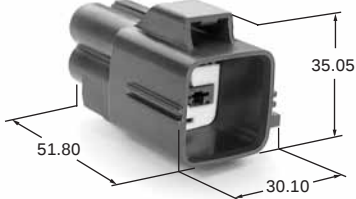
**Part Number
Summary Chart**

Part Name	Male	Female
Terminal	7114-4140-02	7116-4140-02
	7114-4141-02	7116-4141-02
	7114-4142-02	7116-4142-02
Cable Seal	7158-3081-50	
	7158-3082-90	
	7158-3083	
Unused Cavity Plug	7158-3080-60	
Applicable Clip	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	
4	A	Dark Grey	7282-5595-10		7283-5929-10	

Housing Material: HPA

UNIT: mm

Poles	Male Housing	Female Housing
2	 7282-5596-10	 7283-5596-10
4	 7282-5595-10	N/A Please check YESC KAIZEN Catalog for the mate.

***Applicable Terminal Removal Tool/Dimensions**

Refer to Page 81 for YES Connector Terminal Removal Tool.
Order Number: G0406 (PA Type).

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