

YESC

CONNECTORS

1.5 SERIES SEALED

1.5 SERIES
SEALED

CLICK ON YOUR SELECTION:

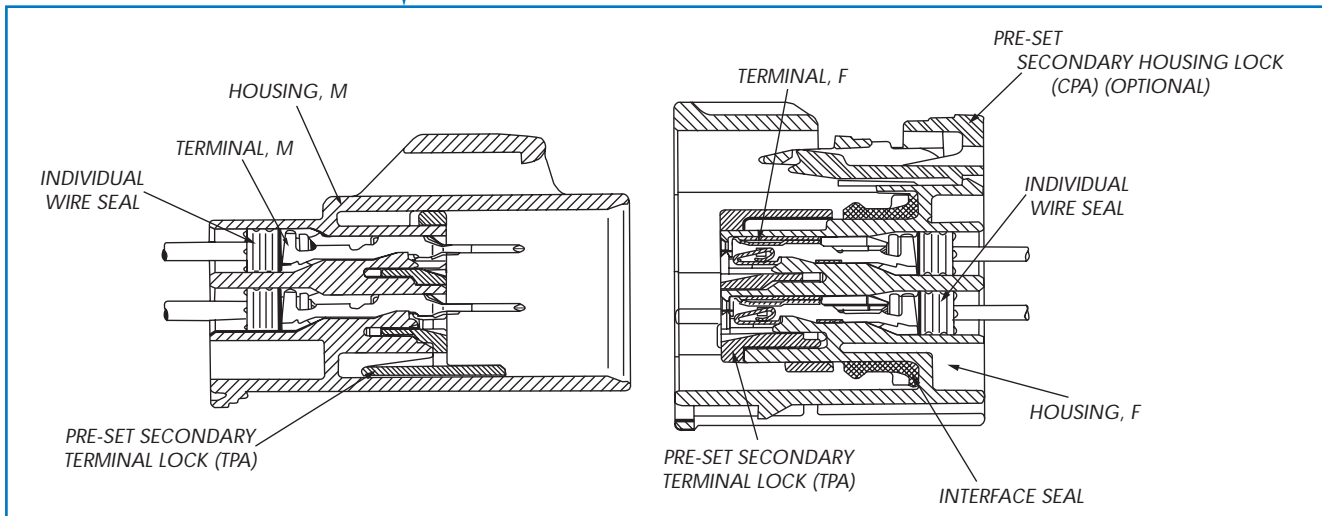
- CONSTRUCTION
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- TERMINAL
- CABLE SEAL
- RETAINER CLIP/BRACKET DIMENSIONS
- PART NUMBER SUMMARY CHART
- PHOTOS/DIMENSIONS
- NAVIGATION TIPS



1.5 x 0.8

sealed connection system

Construction



Specifications

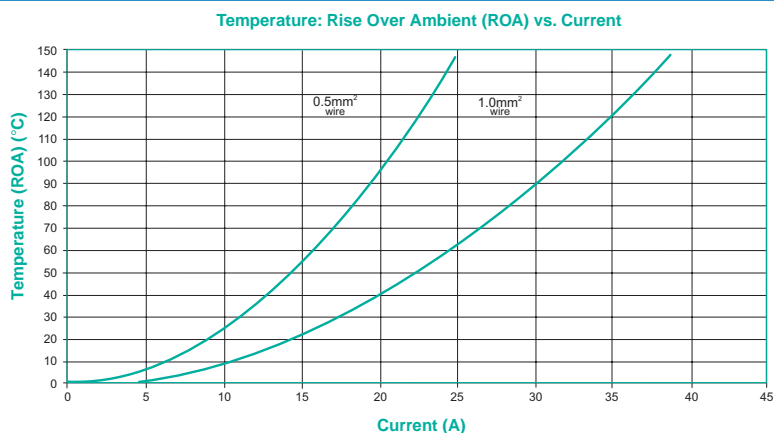
Material	Connector	HPA
	Male Terminal	Copper Alloy (Sn/Au Plate)
	Female Terminal	Copper Alloy (Sn/Au Plate)
Operating Temperature Range		-40°C ~ 125°C (145°C max temp.) (USCAR Class III)
Current Capacity		(See Chart)
Voltage Drop		10mΩ Max (Term./Term.) (Crimp-To-Crimp)
Isolation Resistance		500VDC, 20MΩ Min
Dielectric Resistance		1000VAC (1 min.)
Applicable Wire Size		22AWG ~ 16AWG (0.35mm ² ~ 1.0mm ²)
Terminal Pitch		Horizontal: 5.50mm; Vertical: 6.50mm
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.

0.35mm² rating curve not shown.

Current capability of terminal exceeds capacity of wire.



sealed connection system

1.5 x 0.8

Terminal

UNIT: mm

Male Terminal		Female Terminal			
Material: Copper Alloy Thickness: $t=0.3$		Material: Copper Alloy Thickness: $t=0.25$			
Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-4102-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4103-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7114-4102-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7114-4103-08	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
Female Terminal	7116-4102-02	Sn	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4103-02	Sn	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25
	7116-4102-08	Au	0.35 ~ 0.5	22 ~ 20	0.3 ~ 0.5
	7116-4103-08	Au	0.75 ~ 1.0	18 ~ 16	0.85 ~ 1.25

Cable Seal

UNIT: mm

Description	Part Number	Color	Material	Wire O.D. Range
Cable Seal	7158-3030-50	Red	Silicone	1.19 ~ 1.70
	7158-3031-90	Blue	Silicone	1.60 ~ 2.34
Unused Cavity Plug	7158-3032-60	Green	Silicone	N/A

Retainer Clip/Bracket Dimensions

UNIT: mm

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

1.5 x 0.8

sealed connection system

Part Number Summary Chart

Part Name	Male	Female
Terminal	7114-4102-02	7116-4102-02
	7114-4103-02	7116-4103-02
	7114-4102-08	7116-4102-08
	7114-4103-08	7116-4103-08
Cable Seal	7158-3030-50	
	7158-3031-90	
Unused Cavity Plug	7158-3032-60	
Applicable Clip	N/A	7047-9580 (Ref)

Pole	Polarity	Color Description	Male Part #	Female Part #	Female Part # (w/CPA)	Delete Cap
2	A	Black	7282-5548-30	7283-5548-30	7283-5549-30	
2	B	Dark Grey	7282-5558-10			
2		Black/Direct only		7283-5689-30		
2		Dark Grey/Direct only			7283-6432-10	
2		Natural/Direct only			7283-6433	
2		Light Grey/Direct only			7283-6434-40	
3	A	Black	7282-5541-30			
3	B	Dark Grey	7282-5691-10	7283-5691-10	7283-5880-10	
3		Black/Direct only		7283-5537-30		
4	2-Row A	Dark Grey	7282-5543-10	7283-5543-10	7283-5544-10	
4	2-Row B	Black	7282-5889-30	7283-5889-30		
4	2-Row B	Blue	7282-5889-90	7283-5889-90		
5	A	Black		7283-5547-30	7283-5550-30	
6	A	Dark Grey	7282-5553-10	7283-5553-10	7283-5554-10	
6	A	Black	7282-5553-30	7283-5553-30	7283-5554-30	
8	A	Dark Grey	7282-5684-10			
8	A	Black	7282-5684-30			
10	2-Row A	Black	7282-5946-30	7283-5946-30	7283-5947-30	
10	2-Row B	Dark Grey, #1 Pin Neg.			7283-5694-10	
10	2-Row B	Light Grey, #1 Pin Neg.		7283-5948-40	7283-5694-40	
10	2-Row B	Black, #5 & #9 Pin Neg.			7283-5695-30	
10	2-Row B	Black, #1 & #5 Pin Neg.		7283-6472-30	7283-6473-30	
10	5-Row A	Black/ PBT Material		7283-6478-30	7283-6479-30	
12	A	Dark Grey	7283-5545-10	7283-5546-10	7282-5545-10	
12	A	Black	7282-5545-30	7283-5545-30	7283-5546-30	
18	A	Black	7282-6493-30	7283-6493-30		

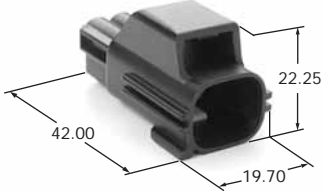

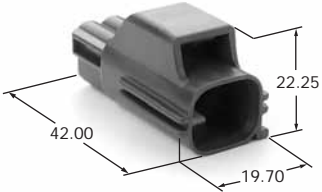
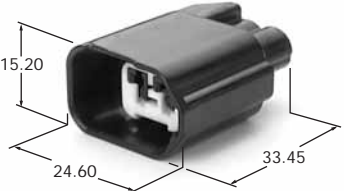

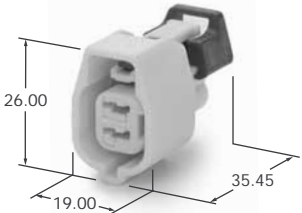
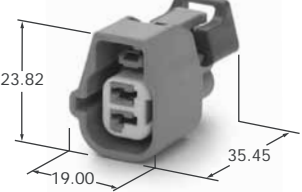
*** Applicable Terminal Removal Tool/Dimensions**
 Refer to Page 68 for YES Connector Terminal Removal Tool.
 Order Number: X39899-J374.

sealed connection system

1.5 x 0.8

Housing Material: HPA

UNIT: mm

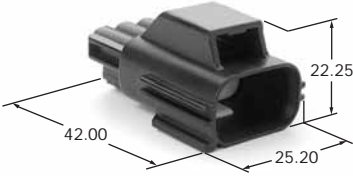
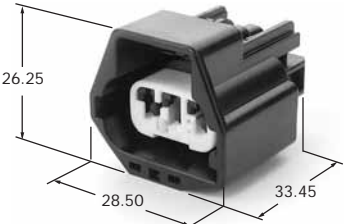
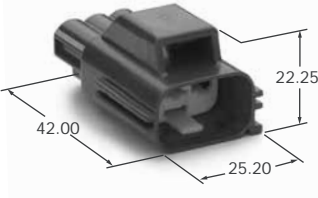
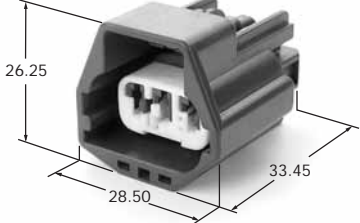
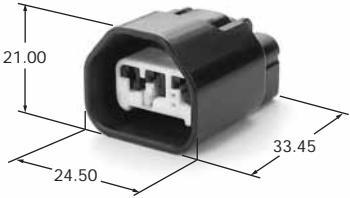
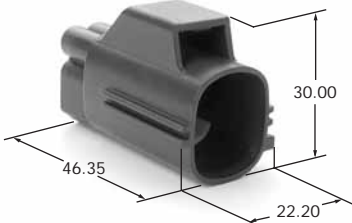
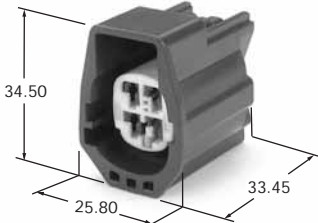
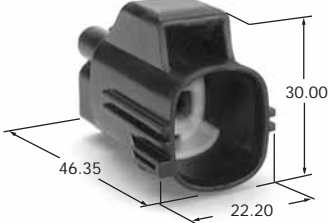

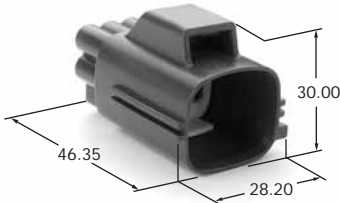

Poles	Male Housing	Female Housing
2	 <p>7282-5548-30</p>	 <p>7283-5548-30</p>
2	 <p>7282-5558-10</p>	<p>N/A Please check YESC KAIZEN Catalog for the mate.</p>
2	<p>N/A</p>	 <p>7283-5689-30</p>
2	<p>N/A</p>	 <p>7283-6432-10</p>
2	<p>N/A</p>	 <p>7283-6433</p>
2	<p>N/A</p>	 <p>7283-6434-40</p>

1.5 x 0.8

sealed connection system

Housing Material: HPA

UNIT: mm

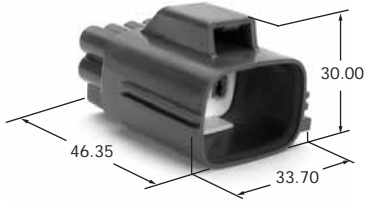
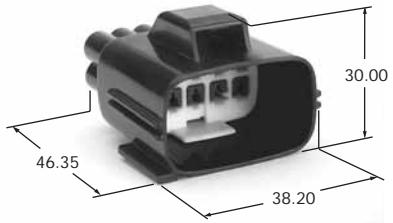
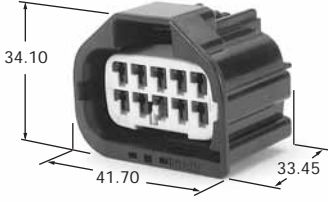
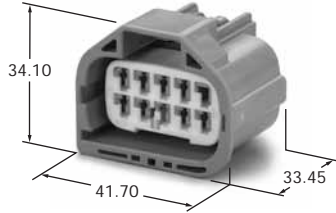
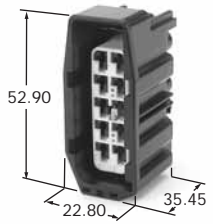
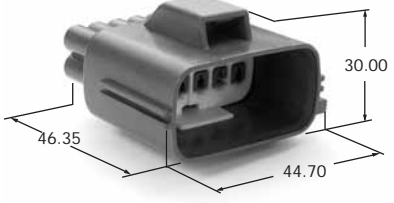
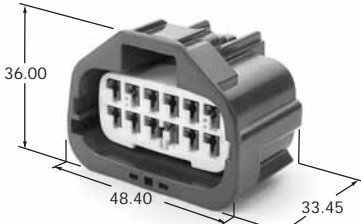
Poles	Male Housing	Female Housing
3	 <p>7282-5541-30</p>	 <p>7283-5541-30</p>
3	 <p>7282-5691-10</p>	 <p>7283-5691-10</p>
3	N/A	 <p>7283-5537-30</p>
4	 <p>7282-5543-10</p>	 <p>7283-5543-10</p>
4	 <p>7282-5889-30</p>	 <p>7283-5889-30</p>
6	 <p>7282-5553-10</p>	 <p>7283-5553-10</p>

sealed connection system

1.5 x 0.8

Housing Material: HPA

UNIT: mm

<p>8</p>	 <p>7282-5684-10</p>	<p>N/A Please check YESC KAIZEN Catalog for the mate.</p>
<p>10</p>	 <p>7282-5946-30</p>	 <p>7283-5946-30</p>
<p>10</p>	<p>N/A</p>	 <p>7283-5948-40</p>
<p>10</p>	<p>N/A</p>	 <p>7283-6478-30</p>
<p>12</p>	 <p>7282-5545-10</p>	 <p>7283-5545-10</p>

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