

YESC KAIZEN

CONNECTORS

9.5

SERIES

SEALED

CLICK ON YOUR SELECTION:

CONSTRUCTION

SPECIFICATIONS

CURRENT RATING CURVE

TERMINAL

CABLE SEAL & CAVITY PLUG

RETAINER CLIP/BRACKET DIMENSIONS

PART NUMBER SUMMARY CHART

PHOTOS/DIMENSIONS

NAVIGATION TIPS

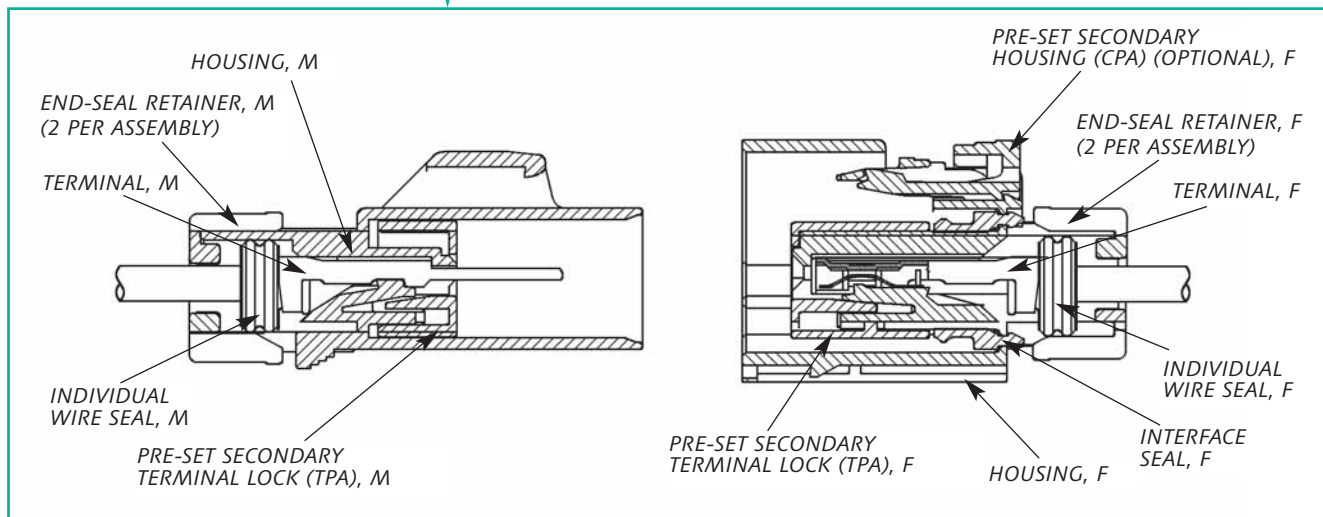
9.5 SERIES
SEALED

SUPPLEMENT TO YESC CATALOG

9.5 x 1.2

sealed connection system

Construction

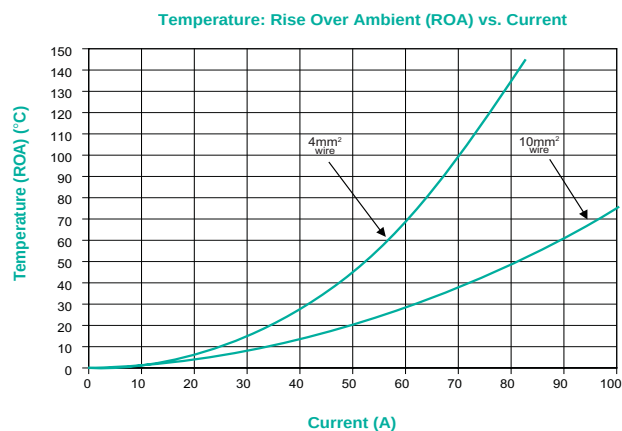


Specifications

Material	Connector	PBT+GF
	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 minute)
Applicable Wire Size		12AWG ~ 8AWG (4mm ² ~ 8mm ²)
Terminal Pitch		Horizontal: 14.00 mm
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.

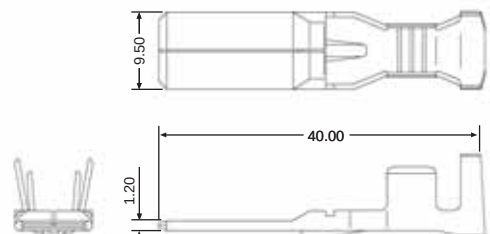
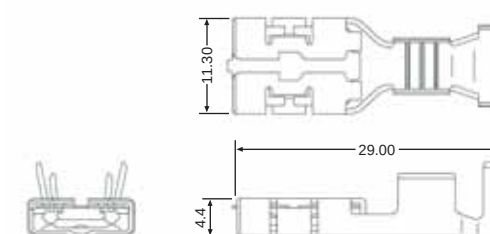


sealed connection system

9.5 x 1.2

Terminal

UNIT: mm

Male Terminal 			Female Terminal 		
Material: Copper Alloy			Material: Copper Alloy		
Thickness: t=0.6			Thickness: t=0.6		
Description	Part Number	Plating	Applicable Wire Size		
			Europe (mm ²)	U.S.A. (AWG)	Japan (mm ²)
Male Terminal	7114-3273-02	Sn	10	8	10
	7114-3250	Sn	6	10	6
	7114-3251	Sn	4	12	4
Female Terminal	7116-3285-02	Sn	10	8	10
	7116-3250	Sn	6	10	6
	7116-3251	Sn	4	12	4

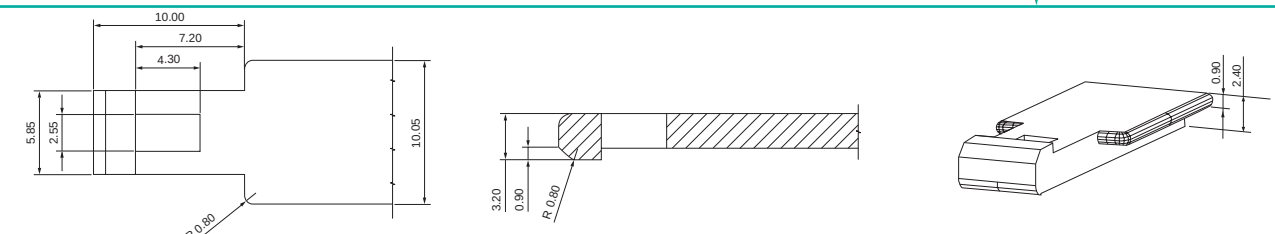
Cable Seal & Cavity Plug

UNIT: mm

				
Description	Part Number	Color	Material	Wire O.D. Range
Cable Seal	7157-3581-80	Orange	Silicone	4.3 ~ 5.8
	7157-3580-60	Green	Silicone	3.4 ~ 4.6
	7157-3582-90	Blue	Silicone	2.5 ~ 3.5
Unused Cavity Plug	7157-3583	Black	Silicone	—

Retainer Clip/Bracket Dimensions

UNIT: mm

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

Applicable Terminal Removal Tool/Dimensions

Refer to Page 120 for YESC KAIZEN Connector Terminal Removal Tool.
Order Number: G0406 (PA Type).

9.5 x 1.2

sealed connection system

Part Number
Summary Chart

Part Name	Male	Female
Terminal	7114-3273-02	7116-3285-02
	7114-3250	7116-3250
	7114-3251	7116-3251
Cable Seal	7157-3581-80	
	7157-3580-60	
	7157-3582-90	
Unused Cavity Plug	7157-3583	
Applicable Clip	—	7047-9580 (Ref)
End-Seal Retainer	7158-6174-40	7158-6174-40

Pole	Polarity	Color/Description	Male Part Number	Female Part Number	Delete Caps
2	A	Black	7282-3214-30	7283-3214-30	—

Housing Material: PBT+GF

UNIT: mm

Poles	Male Housing	Female Housing
2	 7282-3214-30	 7283-3214-30