

The subject product should meet the following requirements.

1. Electrical Performance

Item	Test Condition	Requirement	
1-1 Rated Current	When used max. size wire	AC&DC 250V 3A	
1-2 Contact Resistance	Mate connectors measure by dry circuit, 20mV max., 10mA.	Initial	20 mΩ max.
		After 30 matings	40 mΩ max.
1-3 Crimp Resistance	Electrical resistance of crimped terminal	5 mΩ max.	

2. Mechanical Performance

Item	Test Condition	Requirement	
2-1 Wire Size	Specified wire size	AWG	#22 ~ #28
		Max. Ins. Dia	φ1.15~1.9 mm
2-2 Crimp Strength	When crimped max. size wire	AWG # 22	4.0 Kg min.
	When crimped min. size wire	AWG # 28	1.0 Kg min.
2-3 Terminal Retention Force	Pull out force of terminal from housing	1.5 Kg min.	
2-4 Terminal Insertion Force	Insertion force of crimped terminal into associated housing.	1.5 Kg max.	

3. Enviromental Performance

Item	Test Condition	Requirement	
3-1 Salt Spray	Temperature : 35±2°C Solution : 5±1% Spray time : 48±4 hrs. Measurement must be taken after water rinse.	Contact Resistance	40 mΩ max.
		Appearance	No significant corrosion
3-2 SO <sub>2</sub> Gas	24 hrs. in sulfur dioxide gas (SO <sub>2</sub> ) 50±5ppm at 40±2°C	Contact Resistance	40 mΩ max.

4. Ambient Temperature Range

-40°C ~ +105°C\*      \*: Including terminal temperature rise.

5. Construction, Dimension and Material

Specified by the attached drawing.

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