

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 12A
1-2	Contact Resistance	Mate connectors measure by dry circuit, 20mV max., 10mA.	Initial	10 mΩ max.
			After 30 matings	20 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	#14 ~ #20
			Max. Ins. Dia	φ (1.6)~4.1mm
2-2	Crimp Strength	When crimped max. size wire	AWG # 14	15.0 Kg min.
		When crimped min. size wire	AWG # 20	6.0 Kg min.
2-3	Terminal Retention Force	Pull out force of terminal from housing		9.1 Kg min.
2-4	Terminal Insertion Force	Insertion force of crimped terminal into associated housing.		2.0 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	20 mΩ max.
			Appearance	No significant corrosion
3-2	SO ₂ Gas	24 hrs. in sulfur dioxide gas (SO ₂) 50±5ppm at 40±2° C	Contact Resistance	20 mΩ max.

4. Construction, Dimension and Material :
Specified by the attached drawing.

REV. A