



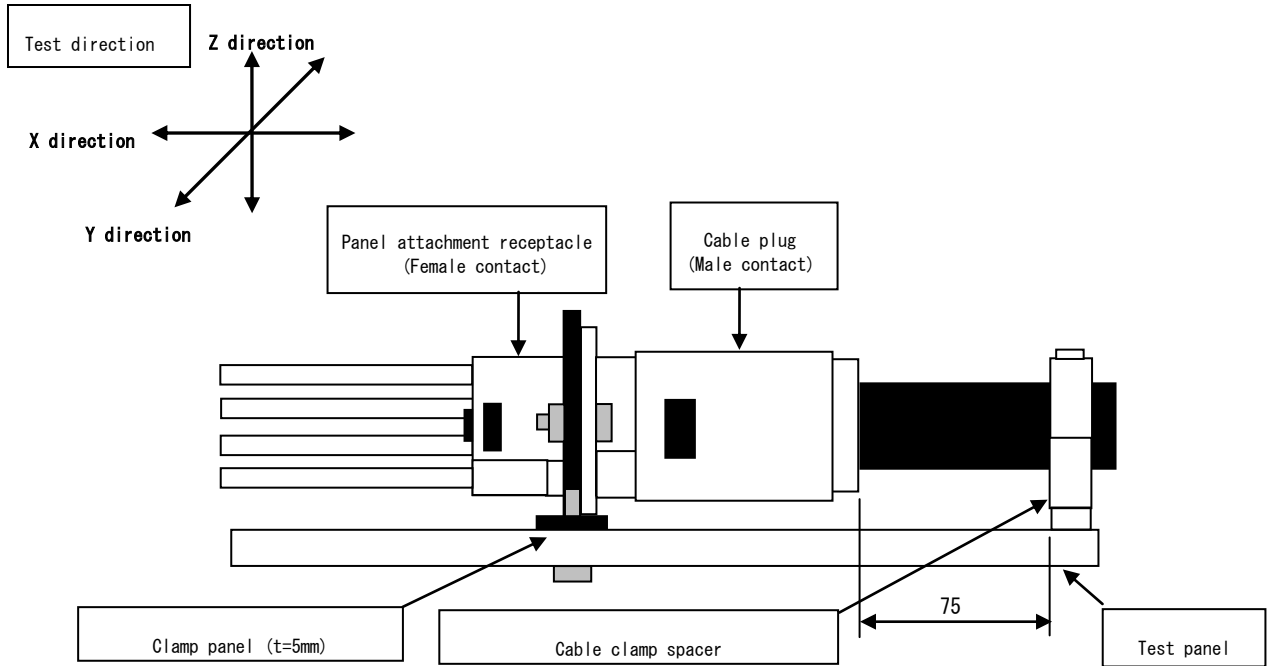


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
ENVIRONMENTAL CHARACTERISTICS					
Rapid Change of Temperature	Temperature -55 → 15 to 35 → 105 → 15 to 35 °C Time 30 → 2 to 3 → 30 → 2 to 3 min. Under 5 cycles.	① Change in contact resistance of contacts : 10 mΩ MAX. (Note3) ② No damage. Crack and looseness of parts.	X	-	
Heat Resistance	Exposed at 105 °C ± 2 °C, 96 h, and combine the applicable connectors.	① Change in contact resistance of contacts : 10 mΩ MAX. (Note3) ② Insulation resistance : 1000 MΩ MIN. ③ No damage. Crack and looseness of parts.	X	-	
Cold Resistance	Exposed at -55 °C ± 3 °C, 96 h, and combine the applicable connectors.	① Change in contact resistance of contacts : 10 mΩ MAX. (Note3) ② Insulation resistance : 1000 MΩ MIN. ③ No damage. Crack and looseness of parts.	X	-	
Humidity	Exposed at 60 °C ± 2 °C, 93±3 %, 96 h, and combine the applicable connectors.	① Change in contact resistance of contacts : 10 mΩ MAX. (Note3) ② Insulation resistance : 1000 MΩ MIN. (After it drier) ③ No damage. Crack and looseness of parts.	X	-	
Mixed Flowing Gas	Exposed in SO ₂ 10 ppm, H ₂ S 3 ppm, 70 to 80 %, 24 h, and combine the Applicable connectors.	No heavy corrosion ruin the function. Change in contact resistance of contacts : 10 mΩ MAX. (contacts, shell)		X	-
Corrosion Salt Mist	Exposed in 5 % salt water spray for 48 h, and combine the applicable connectors.	No heavy corrosion ruin the function. Change in contact resistance of contacts : 10 mΩ MAX. (contacts, shell)		X	-
<p>(Note1) ① The product performance is guaranteed only in the temperature adequate people's activities. ② Include temperature rise caused by current-carrying. ③ Specifications for assembled item with applicable housing.</p> <p>(Note2) Packing materials are not included.</p> <p>(Note3) Cable conductor resistance is not included.</p>					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-129857-00-00
	SPECIFICATION SHEET		PART NO.	PQ50S-48P-PCMA	
	HIROSE ELECTRIC CO., LTD.		CODE NO	CL236-2129-0-00	 2/3

APPENDED FIGURE

A cable plug (Male contact) and a panel attachment receptacle (Female contact)
Vibration Test Method



Note QT:Qualification Test AT:Assurance Test X:Applicable Test

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HRS

SPECIFICATION SHEET

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