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

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	① -10 °C TO 60 °C	STORAGE TEMPERATURE RANGE	② -10 °C TO 60 °C	
	VOLTAGE	30 V	OPERATING HUMIDITY RANGE	95 % MAX	
	CURRENT	SIGNAL: 1 A , POWER: 6 A	APPLICABLE CABLE	—	
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.		X	X	
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz AC).	50 mΩ MAX.	X	X	
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	X	
VOLTAGE PROOF	500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	
<b>MECHANICAL CHARACTERISTICS</b>					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE : 28 N MAX. WITHDRAWAL FORCE : 2.8 N MIN.	X	—	
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 60 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		X	—	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96h.	1) CONTACT RESISTANCE: 60 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55 → 15 TO 35 → 85 → 15 TO 35 °C TIME: 30 → 2 TO 3 → 30 → 2 TO 3 min. UNDER 5 CYCLES.	1) CONTACT RESISTANCE: 60 mΩ MAX. 2) INSULATION RESISTANCE: 1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
HYDROGEN SULPHIDE	H <sub>2</sub> S: 3 PPM, 40 °C, 70 TO 80 %RH, 96 h.	1) CONTACT RESISTANCE: 60 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	NM. NISHIMATSU	14.11.05
① THE OPERATION TEMPERATURE INCLUDES THE TEMPERATURE RISE BY CURRENT CARRYING.			CHECKED	NM. NISHIMATSU	14.11.05
② STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS. FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING.			DESIGNED	MT. ITANO	14.11.05
Unless otherwise specified, refer to JIS C 5402.			DRAWN	MT. ITANO	14.11.05
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-120409-01
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	QR/P15-24(4)P-C(50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL221-0249-6-50	△ 1/1