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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	-55 °C TO +85 °C (1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C (2)
	VOLTAGE	300 V AC	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 85%MAX
	CURRENT	2 A	STORAGE HUMIDITY RANGE	(NOT DEWED)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	20 mΩ MAX.	X	—
INSULATION RESISTANCE	100 V DC.	10^6 MΩ MIN.	X	—
VOLTAGE PROOF	1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	—
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 0.98 N / PIN MAX. EXTRACTION FORCE: 0.147 N /PIN MIN.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, FOR 2 h, IN 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK	490 m/s² DIRECTIONS OF PULSE 11 ms FOR 3 TIME IN 3 DIRECTION.		X	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) INSULATION RESISTANCE: 10^6 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -65→15 TO 35→+125→15 TO 35°C TIME 30→ MAX5 → 30 →MAX5min. UNDER 5 CYCLES.		X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO HEAVY CORROSION.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△1					

REMARK (1) Include temperature rise caused by current-carrying.
(2) "STORAGE" means a long-term storage state for the unused product before assembly to PCB.

Unless otherwise specified, refer to IEC 60512.

APPROVED	YH. YAMADA	20210219
CHECKED	HT. YAMAGUCHI	20210219
DESIGNED	MM. ISHII	20210218
DRAWN	MM. ISHII	20210218

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

DRAWING NO.	ELC-395696-00-00		
HRS	SPECIFICATION SHEET	PART NO.	PCN10C-**S-2.54DSA(52)
	HIROSE ELECTRIC CO., LTD.	CODE NO.	△1 1/1

FORM HD0011-2-1