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USA

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-15 °C TO +60 °C			STORAGE TEMPERATURE RANGE	— °C TO — °C			
	VOLTAGE	AC — V, DC — V							
	CURRENT	2 A			APPLICABLE CABLE	26 ~ 30 AWG (INSULATION DIA : 1mm MAX)			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A			10 mΩ MAX.			○	○
		CONTACT SHALL BE MEASURED AT DC — A			— mΩ MAX.			—	—
INSULATION RESISTANCE		— V DC.			— mΩ MIN.			—	—
VOLTAGE PROOF		— V AC FOR — min.			NO FLASHOVER OR BREAKDOWN.			—	—
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND WITHDRAWAL FORCES		φ 0.53 ± 0.003 BY STEEL GAUGE.			INSERTION AND WITHDRAWAL FORCES : 147 N MIN.			○	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR LOCKING DEVICE WITHOUT LOCK.			INSERTION AND WITHDRAWAL FORCES — N MAX.			—	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.			CONTACT RESISTANCE: 15 mΩ MAX.			○	—
					— RESISTANCE: — mΩ MAX.			—	—
VIBRATION		FREQUENCY — TO — Hz, AMPLITUDE — mm, — m/s ² AT — h, FOR — DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF — μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			—	—
SHOCK		— m/s ² DIRECTIONS OF PULSE — ms AT — TIMES FOR — DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF — μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			—	—
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT — °C, — TO — % — h.			① INSULATION RESISTANCE: — MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: — MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			—	—
RAPID CHANGE OF TEMPERATURE		TEMPERATURE — → R/T ^① → — → R/T °C TIME — → — TO — → — → — TO — min UNDER — CYCLES.			① INSULATION RESISTANCE: — MΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			—	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			○	—
DRY HEAT		EXPOSED AT — °C, — h.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			—	—
COLD		EXPOSED AT — °C, — h.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			—	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, — °C, FOR IMMERSION DURATION, — s.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			—	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, — °C FOR IMMERSION DURATION, — s.			NO DEFECT AS PINHOLE, NON-WETTING AND DE-WETTING OF SOLDER EXIS OR NOT ON THE SURFACE IMMersed.			—	—
SEALING		EXPOSED AT A DEPTH OF — m FOR — h.			NO WATER PENETRATION INSIDE CONNECTOR.			—	—
AIRTIGHTNESS		APPLY AIR PRESSURE — kPa FOR — min TO INSIDE CONNECTOR.			NO AIR BUBBLES INSIDE CONNECTOR.			—	—
CRIMP TENSILE STRENGTH		MUST BE OVER THE STANDARD VALUE.			30AWG (7/0.1 DIA) 10 N 28AWG (7/0.12 DIA) 16 N 26AWG (7/0.16 DIA) 24 N			○	—
REMARK									
NOTE(1) R/T : ROOM TEMPERATURE Unless otherwise specified, refer to JIS C 5402.					DRAWN K. Onodera 98.11.9	DESIGNED M. Sato 98.11.9	CHECKED M. Yoshida 98.7.10	APPROVED	RELEASED
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. HR12-SC-213		
CODE NO. (OLD)		DRAWING NO.			CODE NO.		1/1		
CL		ELC4-022997			CL112-0409-1				