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

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO +85 °C (NOTE1)	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	250V AC	APPLICABLE CONTACT	—
	CURRENT	24AWG 3A	APPLICABLE CONNECTOR	DF3－※S－2C
		26AWG 2A	APPLICABLE CABLE	24 AWG ～ 28 AWG
		28AWG 1A		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	○	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX, mA(DC OR 1000 Hz).	mΩ MAX.	—	—
INSULATION RESISTANCE	V DC.	MΩ MIN.	—	—
VOLTAGE PROOF	V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	—	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	□0.5±0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4 N MAX. EXTRACTION FORCE 0.3 N MIN.	○	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.	—	—
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	—	—
VIBRATION	FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75 mm, - m/s^2 AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: - mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	—
SHOCK	m/s^2 DURATION OF PULSE ms AT TIMES FOR DIRECTIONS.		—	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 15～30→ +85→ 15～30 °C TIME 30→ 10～15→ 30 → 10～15 min UNDER 5CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: - MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	—
DAMP HEAT (STEADY STATE)	EXPOSED AT °C, %, h.	① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	—	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C, FOR. IMMERSION, DURATION, s.	NO DEFORMATION ON CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS.	—	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IN IMMERSION, DURATION, s.	SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	—	—

REMARKS
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.

Unless otherwise specified, refer to MIL-STD-1344.

DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
T.Miyazaki	T.Miyazaki	J.Ono	M.Yamamoto	
96.7.12	96.7.12	96.7.15	'96.7.16	

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

HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF3-2428SC
CODE NO.(OLD) CL	DRAWING NO. ELC4-018922-01	CODE NO. CL543-0002-5

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