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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 ℃ TO +85 ℃ (NOTE1)	STORAGE TEMPERATURE RANGE	−10 ℃ TO +60 ℃
	VOLTAGE	250 V AC	APPLICABLE CONNECTORS	DF3−※S−2C
	CURRENT	AWG24 : 3A	APPLICABLE CABLE	UL1061, UL1007 : AWG24～28
		AWG26 : 2A		
		AWG28 : 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	500 V DC.	1000 MΩ MIN.	×	—
VOLTAGE PROOF	650 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	50 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.	×	—
SHOCK	490 m/s^2 DURATION OF PULSE 11ms AT 3 TIMES FOR 3 DIRECTIONS.	② CONTACT RESISTANCE: −mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 5～35→+85 → 5～35 ℃ TIME 30→ 5～15→ 30 → 10～15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:1000 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 ℃, 90～95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	×	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, ℃, FOR. IMMERSION, DURATION, s.	NO DEFORMATION ON CASE OR EXCESSIVE LOOSENESS OF THE TERMINALS.	—	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, ℃ 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
S.Hara	F.Asai	C.Hanami	K.Katagiri	
'99.8.23	'99.9.3	'99.9.3	'99.9.6	

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF3-2428SCC

CODE NO.(OLD)	DRAWING NO.	CODE NO	
CL	ELC4-020357-01	CL543-0047-3	1/1

TO

FORM NO.231-1