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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	-30°C TO + 85°C(NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C(NOTE 2)
	OPERATING HUMIDITY RANGE △1	40% TO + 80%	STORAGE HUMIDITY RANGE △1	40% TO + 70%(NOTE 2)
	VOLTAGE	250V AC	APPLICABLE CONNECTOR	DF3-*S-2C
	CURRENT	AWG24 : 3A AWG26 : 2A AWG28 : 1A	APPLICABLE CABLE	UL1061,1007 AWG24 TO 28

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	100mA (DC OR 1000 Hz).	30mΩ MAX.	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
CONTACT INSERTION AND EXTRACTION FORCE	□0.5±0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4N MAX EXTRACTION FORCE 0.3N MIN	X	—
CLIMP TENSILE STRENGTH	MEASURE MAX, VALUE UNDER THE FOLLOWING METHOD: APPLY WIRE TENSILE STRENGTH TO CAULKING AREA AXIALLY UNTIL WIRE BECOME LOOSEN OR BREAKDOWN.	AWG24 35N MIN (11 CORES / 0.16 mm) AWG26 24N MIN (7 CORES / 0.16 mm) AWG28 16N MIN (7 CORES / 0.127 mm)	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s^2 DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5 TO 35→ 85→ 5 TO 35 °C TIME 30→10 TO 15→30→10 TO 15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	—

REMARKS
NOTE 1:INCLUDING THE TEMPERATURE RISE BY CURRENT
NOTE 2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD, OPERATINGTEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△	2	DIS-H-002402	AK. MIURA	HK. UMEHARA	07.08.30

Unless otherwise specifid , refer to JIS C 5402.

APPROVED	KJ. KATAYOSE	05.01.05
CHECKED	TY. OMA	05.01.05
DESIGNED	IO. DENPOUYA	05.01.05
DRAWN	IO. DENPOUYA	05.01.05

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

DRAWING NO. ELC4-018921-00

HRS	SPECIFICATION SHEET	PART NO.	DF3-2428SCF	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL543-0001-2-00 △1	1/1

FORM HD0011-2-1