

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

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

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X

<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	100mA (DC OR 1000 HZ).	30mΩ MAX.	X	-

### MECHANICAL CHARACTERISTICS

<b>MECHANICAL CHARACTERISTICS AND EXTRactions.</b>				
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 <sup>2</sup> 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, OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.

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

Unless otherwise specified, refer to JIS C 5402.

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

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-018921-00

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