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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	2 5 0 V AC	APPLICABLE CONTACT	-
	CURRENT	24AWG 3A	APPLICABLE CONNECTOR	DF 3 - ※ S - 2 C
		26AWG 2A	APPLICABLE CABLE	24 AWG ~ 28 AWG
28AWG 1A				

### SPECIFICATIONS

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

<b>ELECTRICAL CHARACTERISTICS</b>				
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.	-	-

<b>MECHANICAL CHARACTERISTICS</b>				
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 <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.	○	-
SHOCK	m/s <sup>2</sup> DURATION OF PULSE ms AT TIMES FOR DIRECTIONS.	② CONTACT RESISTANCE: - mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	-	-

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
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 IMMERSSED.	-	-

REMARKS NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>T. Miyagaki</i> 96.7.12	<i>T. Miyagaki</i> 96.7.12	<i>J. Ona</i> 96.7.15	<i>M. Yamamoto</i> 96.7.16	
Unless otherwise specified, refer to MIL-STD-1344.					

Note QT:Qualification Test AT:Assurance Test ○:Applicable Test					
<b>HS</b> HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF3-2428SC	
CODE NO.(OLD) CL	DRAWING NO. ELC4-018922-01	CODE NO.	CL543-0002-5	1	1

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