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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	-35°C TO +85°C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	30V AC	APPLICABLE CONNECTOR	DF37*-16DS-0.4V (**)
	CURRENT	0.3A		
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	20mV AC OR LESS 1kHz, 1m A .	100mΩ MAX.	X	-
INSULATION RESISTANCE	100V DC.	50MΩ MIN.	X	-
VOLTAGE PROOF	100V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	-
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 20.7 N MAX.	-	-
		EXTRACTION FORCE 3.6 N MAX.	-	-
MECHANICAL OPERATION	10TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min, SINGLE AMPLITUDE 0.75 mm, 10CYCLES, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. 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 1 μs. 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 → 5 MAX → 30 → 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ 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: 100mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
SULPHUR DIOXIDE	EXPOSED IN 25 PPM FOR 96h, 25 °C, 75%.	① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
REMARKS		APPROVED	MO. NAKAMURA	06.11.17
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT		CHECKED	KH. IKEDA	06.11.17
		DESIGNED	KY. MIDORIKAWA	06.11.17
Unless otherwise specified, refer to JIS C 5402.		DRAWN	KY. MIDORIKAWA	06.11.17
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-314312-01	
HRS	SPECIFICATION SHEET	PART NO.	DF37C-16DP-0.4V (51)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL684-3058-0-51	△ 1/1