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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	-40°C TO + 85°C (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO + 60°C (NOTE 3)
	OPERATING HUMIDITY RANGE	40% TO + 80% (NOTE 2)	STORAGE HUMIDITY RANGE	40% TO + 70% (NOTE 3)
	VOLTAGE	250V AC/DC	APPLICABLE CONNECTOR	DF11-**DEP-2C
	CURRENT	AWG24 : 2.5A/pin AWG26 : 2.0A/pin AWG28 : 1.0A/pin	APPLICABLE CABLE	UL1007 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	50 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 30mΩ MAX. 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	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:NO CONDENSING. NOTE 3: APPLY TO UNUSED PRODUCT ON PACKAGED CONDITION.				
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
Unless otherwise specified, refer to IEC 60512.			APPROVED	SJ. OKAMURA 20210210
			CHECKED	SZ. ONO 20210210
			DESIGNED	TS. KUMAZAWA 20210210
			DRAWN	TS. KUMAZAWA 20210210
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC-160993-00-00	
HRS	SPECIFICATION SHEET	PART NO.	DF11-EP2428PCA	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0543-0618-2-00	△ 1/1