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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	- °C TO - °C	STORAGE TEMPERATURE RANGE	- °C TO - °C	
	VOLTAGE	200 V AC , 280 V DC	OPERATING HUMIDITY RANGE	- °C TO - °C	
	CURRENT	3 A	APPLICABLE CABLE	AWG No.28(7/0.127) ×9 (p=1.38)	
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	100 mA (DC OR 1000 Hz).		25 mΩ MAX.	X	X
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV MAX 1 mA (DC OR 1000Hz).				
INSULATION RESISTANCE	500 V DC.		1000 MΩ MIN.	X	X
VOLTAGE PROOF	1250 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE 30.4 N MAX. EXTRACTION FORCE 19.6 N MAX.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.		1) CONTACT RESISTANCE: 25 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 m/s ² DIRECTION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.			X	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 25 → 85 → 25 °C. TIME 30 → 10~15 → 30 → 10~15min. UNDER 5 CYCLES.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40°C , 90~95 % , 96 h.		1) INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY), 1000 MΩ MIN (AT DRY). 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	X	—
HYDROGEN SULPHIDE TEST	H2S 3ppm , 120h		1) CONTACT RESISTANCE: 25 mΩ MAX. 2) NO HEAVY CORROSION.	X	—
DRY HEAT	TEMPERATURE +8 5 °C, 1000h		1) CONTACT RESISTANCE: 25 mΩ MAX 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	0				
REMARK			APPROVED	HO.MIWA	06.07.27
			CHECKED	HO.MIWA	06.07.27
			DESIGNED	YH.ENAMI	06.07.27
Unless otherwise specified, refer to JIS C 5402.			DRAWN	YH.ENAMI	06.07.27
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELG4-021322-02	
HRS	SPECIFICATION SHEET		PART NO.	FDED-9P (55)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL211-0444-4-55	△ 1/1