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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	—			STORAGE TEMPERATURE RANGE	- 10 °C TO 60 °C			
	VOLTAGE	—			APPLICABLE CONNECTOR	—			
	CURRENT	—			APPLICABLE CABLE	UL1571,28 AWG, OUTER DIAMETER: φ0.58			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			<input type="radio"/>	<input type="radio"/>
MARKING		CONFIRMED VISUALLY.						<input type="radio"/>	<input type="radio"/>
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		mA (DC OR 1000 Hz).			mΩ MAX.			—	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		mV MAX, mA(DC OR 1000 Hz).			mΩ MAX. CONTACT RESISTANCE OF GROUND FITTING: mΩ MAX.			—	—
INSULATION RESISTANCE		V DC.			MΩ MIN.			—	—
VOLTAGE PROOF		V AC FOR min.			NO FLASHOVER OR BREAKDOWN.			—	—
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		BY STEEL GAUGE.			INSERTION FORCE: N MAX. EXTRACTION FARCE: N MIN.			—	—
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: N MAX. EXTRACTION FARCE: N MIN.			—	—
MECHANICAL OPERATION		TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: mΩ MAX. CONTACT RESISTANCE OF GROUND FITTING: mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			—	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 50 min, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF - μs. ② CONTACT RESISTANCE: - mΩ MAX. CONTACT RESISTANCE OF GROUND FITTING: - mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			<input type="radio"/>	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF - μs. ② CONTACT RESISTANCE: - mΩ MAX. CONTACT RESISTANCE OF GROUND FITTING: - mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			<input type="radio"/>	—
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 96 h.			① CONTACT RESISTANCE: - mΩ MAX. CONTACT RESISTANCE OF GROUND FITTING: - mΩ MAX. ② INSULATION RESISTANCE: - MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			<input type="radio"/>	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: EXPECT CONSTRUCTION,APPLY THESE SPECIFICATION TO PAIR DF9M-31S-1R-PA WITH DF9M-31S-1R-PB.					<i>J. Gai</i>	<i>J. Gai</i>	<i>J. Ona</i>	<i>M. Yamamoto</i>	
Unless otherwise specified, refer to MIL-STD-1344.					'96.12.4	'96.12.4	'96.12.10	'96.12.13	
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO.	
								DF9M-31S-1R-PB	
CODE NO.(OLD)		DRAWING NO.			CODE NO.				
CL		ELC4-160592-01			CL540-0233-9				
					1 2				

TO

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SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE: -55→15 TO 35→ 85→15 TO 35 °C TIME: 30→ 5 MAX→ 30→ 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: - mΩ MAX. CONTACT RESISTANCE OF GROUND FITTING: - mΩ MAX. ② INSULATION RESISTANCE: - MΩ MIN ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to MIL-STD-1344.	<i>J. Gai</i> '96.12.4	<i>J. Gai</i> '96.12.4	<i>J. Ona</i> '96.12.10	<i>M. Yamamoto</i> '96.12.13	

Note QT: Qualification Test AT: Assurance Test ○: Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF9M-31S-1R-PB
CODE NO.(OLD) CL	DRAWING NO. ELC4-160592-01	CODE NO. CL540-0233-9

TO

