

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	—			STORAGE TEMPERATURE RANGE	- 1 0 °C TO 6 0 °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.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
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 1 0 TO 5 5 Hz, SINGLE AMPLITUDE 0. 7 5 mm, — m/s ² AT 5 0 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.			○	—
SHOCK		4 9 0 m/s ² DURATION OF PULSE 1 1 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.			○	—
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT 4 0 °C, 9 0 TO 9 5 %, 9 6 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.			○	—
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. Oma</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.	
								DF 9 M - 3 1 S - 1 R - P A	
CODE NO.(OLD)		DRAWING NO.			CODE NO.				
CL		ELC 4 - 1 6 0 5 9 1 - 0 1			CL 5 4 0 - 0 2 3 2 - 6				
					1 2				

TO

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
		<i>J. Gai</i> '96.12.4	<i>J. Gai</i> '96.12.4	<i>J. Gai</i> '96.12.10	<i>M. Yamada</i> '96.12.13	
Unless otherwise specified, refer to MIL-STD-1344.						
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test						
HRS		HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. DF9M-31S-1R-PA
CODE NO.(OLD) CL	DRAWING NO. ELC4-160591-01	CODE NO. CL540-0232-6			2	

TO

