

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.			○ ○	
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 FORCE: N MIN.			- -	
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE: N MAX. EXTRACTION FORCE: 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.			○ -	
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.			○ -	
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.			○ -	
REMARKS									
NOTE1: EXPECT CONSTRUCTION,APPLY THESE SPECIFICATION TO PAIR DF9M-31S-1R-PA WITH DF9M-31S-1R-PB.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				<i>J. Gai</i>	<i>J. Gai</i>	<i>J. Ono</i>	<i>M. Yamamoto</i>		
				'96.12.4	'96.12.4	9612.10	'96.12.13		
Unless otherwise specified, refer to MIL-STD-1344.									
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test									
HS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DF9M-41S-1R-PB		
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1/2	
CL		ELC4-160928-01			CL540-0236-7				

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
Unless otherwise specified, refer to MIL-STD-1344.	<i>J. Gai</i> 96.12.4	<i>J. Gai</i> 96.12.4	<i>J. Ana</i> 96.12.10	<i>H. Yamada</i> 96.12.13	

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

HRS	HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. DF9M-41S-1R-PB
CODE NO.(OLD) CL	DRAWING NO. ELC4-160928-01	CODE NO. CL540-0236-7	2

TO

