

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT	
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C(NOTE1)		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	250 V AC		APPLICABLE CONNECTORS	DF1B-*(D)S-2.5R(C)			
	CURRENT	3 A		OPERATING HUMIDITY RANGE	UL1061: AWG24			
SPECIFICATIONS								
ITEM	TEST METHOD			REQUIREMENTS				
CONSTRUCTION				ACCORDING TO DRAWING.				
GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT.								
MARKING CONFIRMED VISUALLY.								
ELECTRIC CHARACTERISTICS								
CONTACT RESISTANCE 100 mA (DC OR 1000 Hz).				30 mΩ MAX.				
MECHANICAL CHARACTERISTICS								
CONTACT INSERTION AND EXTRACTION FORCES				□0.635±0.002mm BY STEEL GAUGE.	INSERTION FORCE	4.4N MAX.		
MECHANICAL OPERATION				30 TIMES INSERTIONS AND EXTRACTIONS.	EXTRACTION FORCE	0.44N MIN.	X	
VIBRATION				FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs.		X	
SHOCK				490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		-	
ENVIRONMENTAL CHARACTERISTICS								
RAPID CHANGE OF TEMPERATURE				TEMPERATURE -55 → 5 TO 35-85 → 5 TO 35°C TIME 30 → 10 → 30 → 10 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX.		X	
DAMP HEAT (STEADY STATE)				EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		-	
				① CONTACT RESISTANCE: 30 mΩ MAX.		X		
				② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		-		
COUNT	DESCRIPTION OF REVISIONS			DESIGNED	CHECKED		DATE	
△								
REMARKS								
NOTE1:INCLUDING THE TEMPERATURE RISING BY CURRENT.								
Unless otherwise specified, refer to JIS C 5402.								
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELG4-020208-01		
HRS				APPROVED		TY. OMA		06.02.28
				CHECKED		HK. IIMEHARA		06.02.28
				DESIGNED		NS. HIROSE		06.02.27
				DRAWN		AK. MUIRA		06.02.22
Specification Test AT:Assurance Test X:Applicable Test				DRAWING NO.				
SPECIFICATION SHEET		PART NO.		DF1B-R24				
HIROSE ELECTRIC CO., LTD.		CODE NO.		CL541-0220-3-00		△ 1/1		