

Apr.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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		-40℃ TO +90℃ (95%RH MAX)		STORAGE TEMPERATURE RANGE	-40℃ TO +90℃ (95%RH MAX)		
	POWER		— W		CHARACTERISTIC IMPEDANCE	50Ω (0 TO 6 GHz)		
	APPLICABLE CABLE	O.D. ϕ 1.32	A12B0733-01:JUNKOSHA CO.,LTD		O.D. ϕ 1.13	RF-MF5016:NISSEI ELCTRIC CO.,LTD		
SPECIFICATIONS								
ITEM		TEST METHOD			REQUIREMENTS		QT	AT
CONSTRUCTION								
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.		×	×
MARKING		CONFIRMED VISUALLY.					—	—
ELECTRIC CHARACTERISTICS								
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz).			CENTER CONTACT	4 mΩ MAX.	×	×
					OUTER CONTACT	4 mΩ MAX.	×	×
INSULATION RESISTANCE		100 V DC.			500 MΩ MIN.		×	×
VOLTAGE PROOF		200 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.			NO FLASHOVER OR BREAKDOWN.		×	×
VOLTAGE STANDING WAVE RATIO		FREQUENCY 0.045 TO 6 GHz			VSWR 1.3 MAX.		×	—
INSERTION LOSS		FREQUENCY — TO — GHz			— dB MAX.		—	—
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		500 TIMES INSERTIONS AND EXTRACTIONS.			1) CONTACT RESISTANCE: CENTER CONTACT 6 mΩMAX. OUTER CONTACT 6 mΩMAX.	×	—	
					2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			
VIBRATION		FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 μs.	×	—	
					2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				×	—	
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)		APPLYING A PULL FORCE THE CABLE AXIALLY AT 30 N MAX.(O.D. ϕ 1.32) 20 N MAX.(O.D. ϕ 1.13)			1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.	×	—	
ENVIRONMENTAL CHARACTERISTICS								
DAMP HEAT,CYCLIC		EXPOSED AT +25 TO +65℃, 90 TO 98 % TOTAL 10 CYCLES (240 h)			1) INSULATION RESISTANCE: 10 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → — → +90 → — ℃ TIME 30 → 3 → 30 → 3 min UNDER 5 CYCLES.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.	×	—	
△	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE		
0								
REMARK RoHS COMPLIANT Unless otherwise specified, refer to JIS C 5402.					APPROVED	TS. NOBE	11. 09. 24	
					CHECKED	NK. NINOMIYA	11. 09. 23	
					DESIGNED	YI. FUNADA	11. 09. 23	
					DRAWN	YI. FUNADA	11. 09. 23	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-305103-40		
HRS	SPECIFICATION SHEET			PART NO.	HRM-200-066PBN (40)			
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL323-0791-6-40	△	1/1	