

RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C			
	VOLTAGE	AC 50 V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY: 90% MAX (NO DEW CONDENSATION IS PERMITTED)			
	CURRENT	0.3A(Row a,b,c),0.5A(Row d) (*1)					
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
GENERAL EXAMINATION		VISUAL AND WITH MEASURING INSTRUMENT		ACCORDING TO A DRAWING		X	X
MARKING		CONFIRM VISUALLY				X	X
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE [EIA-364-23]		100 mA		Row a: 60 mΩ MAX (*1,2) Row b: 70 mΩ MAX (*1.2) Row c: 80 mΩ MAX (*1.2) Row d: 90 mΩ MAX (*1.2)	X	—	
INSULATION RESISTANCE [EIA-364-21]		100 V DC		100 MΩ MIN	X	—	
VOLTAGE PROOF [EIA-364-20]		150 V AC FOR 1 min		NO BREAKDOWN LEAKAGE CURRENT 2mA OR LESS	X	—	
MECHANICAL CHARACTERISTICS							
INSERTION AND WITHDRAWAL FORCES [EIA-364-13]		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 0.325N/PIN MAX WITHDRAWAL FORCE: 0.015N/PIN MIN	X	—	
MECHANICAL OPERATION [EIA-364-09]		100TIMES INSERTION AND EXTRACTION		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—	
RANDOM VIBRATION [EIA-364-28]		FREQUENCY: 20 TO 500 Hz POWER SPECTRAL DENSITY: 0.02 G ² /Hz FOR 60 min IN THREE DIRECTIONS		1) NO ELECTRICAL DISCONTINUITY OF 1μs OR MORE 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—	
ENVIRONMENTAL CHARACTERISTICS							
THERMAL SHOCK [EIA-364-32]		TEMPERATURE(°C): -55 →20 ~ 35 → 85 →20 ~ 35 TIME(min): 30 → 5MAX → 30 → 5MAX UNDER 10 CYCLES		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—	
CYCLIC TEMPERATURE AND HUMIDITY [EIA-364-31]		@ 25 °C, 90-95% RH: 120 min DWELL TIME ↓ 120 min RAMP TIME @ 65 °C, 90-95% RH: 120 min DWELL TIME UNDER 60 CYCLES			X	—	
DRY HEAT [EIA-364-17]		EXPOSED AT 105°C, 300 HOURS		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—	
DUST [EIA-364-91]		UNMATED 1 HOUR		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS	X	—	
MIXED FLOWING GAS [EIA-364-65]		EXPOSED AT 30 °C, 70% RH Cl ₂ : 10 ppb, NO ₂ : 200 ppb, H ₂ S : 10 ppb, SO ₂ : 100 ppb MATED 10 DAYS		1) CONTACT RESISTANCE CHANGE: +10 mΩ OR LESS 2) NO HEAVY CORROSION	X	—	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
2	6	DIS-F-00008904		DK. AIMOTO	NH. TAMAI	20210420	
REMARK (*1)SPECIFICATION WHEN MATED WITH IT9M2-224P-0.5SH4. (*2)THE VALUE OF CONTACT RESISTANCE INCLUDES THE BULK RESISTANCE.				APPROVED	MK. EZAKI	20161004	
				CHECKED	MK. NAGATA	20161004	
				DESIGNED	AS. MATSUZAWA	20161004	
				DRAWN	AS. MATSUZAWA	20161004	
NOTE -- QT: QUALIFICATION TEST; AT: ASSURANCE TEST; X: APPLICATION TEST				DRAWING NO.		ELC-369005-00-00	
HRS	SPECIFICATION SHEET			PART NO.	IT9M2-224S-0.5SV4		
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL0636-1611-0-00	2 1/1	