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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	— t TO — t	STORAGE TEMPERATURE RANGE	— t TO — t
	VOLTAGE	AC 250 V	OPERATING HUMIDITY RANGE	— % TO — %
	CURRENT	3 A	APPLICABLE CABLE	AWG 20 ~ 22

SPECIFICATIONS

JACKET DIAMETER
1.5 TO 1.9 mm

ITEM	TEST METHOD	REQUIREMENTS	Q	T	A	T
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CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.				
MARKING	CONFIRMED VISUALLY.					

ELECTRICAL CHARACTERISTICS						
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	15 mΩ MAX.				
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. mA (DC OR 1000 Hz).	mΩ MAX.				
INSULATION RESISTANCE	V DC	MΩ MIN.				
VOLTAGE PROOF	V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN.				

MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	□ 0.635 ± 0.002 BY STEEL GAUGE.	INSERTION FORCE 4.4 N MAX. EXTRACTION FORCE 0.56 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: 15 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
VIBRATION	FREQUENCY TO Hz, SINGLE AMPLITUDE mm, m/s ² AT h FOR DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF μs. ② CONTACT RESISTANCE: mΩ MAX.				
SHOCK	m/s ² DURATION OF PULSE AT TIMES FOR DIRECTION. ms	① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				

ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT t. % h.	① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE → → → t min UNDER CYCLES.	① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
DAMP HEAT, CYCLIC	EXPOSED AT TO t. TO % TOTAL CYCLES (h).	① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
DRY HEAT	EXPOSED AT t. h.	① CONTACT RESISTANCE: mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 15 mΩ MAX. ② NO HEAVY CORROSION.				
HYDROGEN SULPHIDE	EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-38)					
SULPHUR DIOXIDE	EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-39)					
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE. t FOR IMMERSION. s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.				
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE. t FOR IMMERSION DURATION. s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.				

REMARKS	CLIMP STRENGTH: 88.2 Nmin. (AWG20)	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	Unless otherwise specified, refer to MIL-STD-1344.	H. Sakamoto	H. Sakamoto	M. Matsuzawa	Y. Yoshimura	
		95.2.20	95.2.20	95.2.22	95.2.22	

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

HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO.	
				HIF3-2022SCF	
CODE NO. (OLD)	DRAWING NO.	CODE NO.			
CL	ELC4-016947	CL 562-0493-7			1/1

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