



# THE DATASHEET OF HIF3-2022SCF



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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	QT	AT
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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 <sup>2</sup> AT h FOR DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF μs. ② CONTACT RESISTANCE: mΩ MAX.	—	—
SHOCK	m/s <sup>2</sup> 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	CLAMP 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

<b>HRS</b> HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.
		HIF3-2022SCF

CODE NO. (OLD)	DRAWING NO.	CODE NO.	1/1
CL	ELC4-016947	CL 562-0493-7	

TO  
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