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

APPLICABLE STANDARD

RATING	OPERATING TEMPERATURE RANGE	— ℃ TO — ℃	STORAGE TEMPERATURE RANGE	— ℃ TO — ℃
	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
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/s² AT　　h FOR　　DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF　　μs. ② CONTACT RESISTANCE: mΩ MAX.	—	—
SHOCK	m/s² DURATION OF PULSE ms AT　　TIMES FOR　　DIRECTION.	① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT　　℃,　　%,　　h.	① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN.	—	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE → → → ℃ TIME → → → min UNDER　　CYCLES.	① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	—	—
DAMP HEAT, CYCLIC	EXPOSED AT　　TO　　℃,　　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　　℃,　　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.　　℃ FOR IMMERSION. DURATION.　　s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	—	—
SOLDRABILITY	SOLDERED AT SOLDER TEMPERATURE.　　℃ 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 N Min. (AWG 20)

Unless otherwise specified, refer to MIL-STD-1344.

	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	H. Sakamoto	H. Sakamoto	M. matsuura	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 - 20Z2SCF

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

TO
PcK