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

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−55 ℃ TO 85 ℃	STORAGE TEMPERATURE RANGE	— ℃ TO — ℃
	VOLTAGE	300 V	OPERATING HUMIDITY RANGE	— % TO — %
	CURRENT	3 A	APPLICABLE CABLE	AWG 24

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCODING 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).		—	—
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.	○	—
VOLTAGE PROOF	1000 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 2.9 N MAX. EXTRACTION FORCE 0.4 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.	○	—
VOBRATION	FREQUENCY 10 TO 55 Hz, TOTAL AMPLITUDE 1.5 mm, − m/s² AT 2 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 15 mΩ MAX.	○	—
SHOCK	490 m/s² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY-STATE)	EXPOSED AT 40±2 ℃, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○	—
DAMP HEAT, CYCLIC	EXPOSED AT TO ℃, TO %, CYCLES, TOTAL 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.	—	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −65→ 5TO35→125→5TO35 ℃ TIME 30→10TO15→ 30→10TO15 min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 15 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ 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 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)		○	—
SULPHUR DIOXIDE	EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-39)		—	—

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to JIS C 5402.	H. Kawachino '94.9.6	H. Kawachino '94.4.6	M. Nohamura '94.4.7	M. Nohamura '94.4.7	

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

HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. HIF4-40D-3.18R	
CODE NO. (OLD) CL	DRAWING NO. ELC4-016957	CODE NO. CL563-0029-6	1/1

FORM No. 23

TO
HM