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

APPLICABLE STANDARD

RATING	OPERATING TEMPERATURES RANGE	−30℃ TO 105℃ (NOTE1)	STORAGE TEMPERATURE RANGE	−40℃ TO +105℃
	VOLTAGE	250 V AC	CURRENT	3 A

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○
ELECTRICAL CHARACTERISTICS				
CONTACT RESISTANCE	1 A DC.	SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX	○	—
CONTACT RASISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000 Hz)	SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX	○	—
INSULATION RESISTANCE	500 V DC	1000 MΩ MIN.	○	—
VOLTAGE PROOF	650 V AC FOR 1 MIN	NO FLASHOVER OR BREAKDOWN.	○	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	8.3×9.0 BY STEEL GAUGE.	INSERTION FORCE 6.5 N MAX. EXTRACTION FORCE 0.1～6.5 N MIN.	○ ○	— —
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX ② NO DAMAGE. CRACK AND LOOSENESS OF	○ ○	— —
VIBRATION	FREQUENCY 20 TO 200 Hz, 43.1 m/S^2 AT 3 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	○ ○ ○	— — —
SHOCK	FREQUENCY 20 TO 50 Hz, 66.6 m/S^2 AT 1 h	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE: SIGNAL:30 mΩ MAX, SHIELD:60mΩ MAX ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	○ ○ ○	— — —
LOCK STRENGTH	APPLYING A PULL FORCE THE MATING AXIALLY AT 98 N MAX.	① DURING APPLYING, MATING COMPLETELY. ② AFTER APPLYING, NO DEFECT OF MATING PARTS.	○ ○	— —
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 ℃, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX ② INSULATION RESISTANCE:100MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	○ ○ ○	— — —
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −40 → 5 TO 35 → 85 → 5 TO 35 ℃ TIME 30 → 5 → 30 → 5 MIN UNDER 1000 CYCLES.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX ② INSULATION RESISTANCE:100MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PART.	○ ○ ○	— — —
DRY HEAT	EXPOSED AT 105 ℃, 300 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX ② NO HEAVY CORROSION.	○ ○	— —
COLD	EXPOSED AT −55 ℃, 120 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX ② NO HEAVY CORROSION.	○ ○	— —
CORROSION, SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX ② NO HEAVY CORROSION.	○ ○	— —
RESISTANCE TO HSO^3 GAS	EXPOSED IN 500 PPM FOR 8 h.	① CONTACT RESISTANCE: SIGNAL:60 mΩ MAX, SHIELD:120mΩ MAX ② NO HEAVY CORROSION.	○ ○	— —
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 ℃ FOR IMMERSION, DURATION, 10 s.	NO DEFORMATION IN CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	○	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230 ℃ FOR IMMERSION DURATION, 3 s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	○	—

REMARKS

NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.
NOTE2 APPLICABLE BOARD:1.6±0.2.
NOTE3 OVER 500 CYCLES:120mΩ MAX. (OUTER CONTACT ONLY)

DRAWN	DESIGNED	CHECKED	APPROVD	RELEASED
S. KURIYA 06.4.14	T. SHISHI KURA 99.6.17	K. Sato '06,4,18	K. Sato '06,4,18	

TO

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

HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. GT17VB-6DP-DS (70)

CODE NO. (OLD)	DRAWING NO.	CODE NO.	
———	ELC4-165530-01	CL767-0032-2-70	1/1