APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO 105 °C (NOTE1)	STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C
	VOLTAGE	250 V AC	CURRENT	1 A

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	1A DC.	30 mΩ MAX	×	–
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	30 mΩ MAX .	×	–
INSULATION RESISTANCE	500 V DC	100 MΩ MIN.	×	–
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	–
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE, □4.6.	INSERTION FORCE 10.0 N MAX. EXTRACTION FORCE 2.8～6.5 N.	× ×	– –
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE : 60 mΩ MAX . ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	× ×	– –
VIBRATION	FREQUENCY AT 20 TO 200 Hz, ACCELERATION AT 43.1 m/s^2 FOR 3 h ON EACH 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE : 60 mΩ MAX . ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	× × ×	– – –
SHOCK	FREQUENCY AT 20 TO 50 Hz, ACCELERATION AT 66.6 m/s^2 FOR 1h.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE : 60 mΩ MAX . ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	× × ×	– – –
LOCK STRENGTH	APPLYING A PULL FORCE WITH – N MAX ON THE DIRECTION OF MATING AXIS.	① DURING APPLYING,MATING COMPLETELY. ② AFTER APPLYING,NO DEFECT ON MATING PARTS.	– –	– –
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ～ 95 % RH, FOR 500 h.	① CONTACT RESISTANCE : 60 mΩ MAX . ② INSULATION RESISTANCE : 100 MΩ MIN. ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	× × ×	– – –
RAPID CHANGE OF TEMPERATURE	TEMPERATURE-40 °C→ROOM TEMP.→ 85 °C→ ROOM TEMP. TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE : 60 mΩ MAX . ② INSULATION RESISTANCE : 100 MΩ MIN. ③ NO DAMAGE, CRACK AND DISTORTION OF PARTS.	× × ×	– – –
DRY HEAT	EXPOSED AT 105 °C, FOR 300 h.	① CONTACT RESISTANCE : 60 mΩ MAX . ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	× ×	– –
COLD	EXPOSED AT -55 °C, FOR 120 h.	① CONTACT RESISTANCE : 60 mΩ MAX . ② NO DAMAGE, CRACK AND DISTORTION OF PARTS.	× ×	– –
SALT SPRAY (CORROSION)	EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.	① CONTACT RESISTANCE : 60 mΩ MAX . ② NO HEAVY CORROSION.	× ×	– –
RESISTANCE TO SO_2 GAS	EXPOSED IN 500 ppm FOR 8 h.	① CONTACT RESISTANCE : 60 mΩ MAX . ② NO HEAVY CORROSION.	× ×	– –
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE – °C, IMMERSION DURATION – s.	NO DEFORMATION OF THE CASE AND NO EXCESSIVE DISTORTION OF THE TERMINALS.	–	–
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE – °C, IMMERSION DURATION – s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	–	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△0					

REMARK
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.

APPROVED	AR. SHIRAI	18. 05. 29
CHECKED	TH. MIZUGUCHI	18. 05. 28
DESIGNED	HS. NAGANO	18. 05. 28
DRAWN	SK. HANAWA	18. 05. 24

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

DRAWING NO. ELC-165478-70-00

HRS	SPECIFICATION SHEET	PART NO.	GT5L-30/0. 7-1. 5PCF (70)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL755-0068-0-70	△0 1/1

FORM HD0011-2-1