

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

APPLICABLE STANDARD			
RATING	OPERATING TEMPERATURES RANGE	-30°C TO 105°C (NOTE1)	STORAGE TEMPERATURE RANGE
	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.	<input type="radio"/>	<input type="radio"/>		
MARKING	CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>		
ELECTRICAL CHARACTERISTICS						
CONTACT RESISTANCE	1 A DC.	30 mΩ MAX.	<input type="radio"/>	<input type="radio"/>		
CONTACT RASISTANCE	20 mV AC MAX, 0.1 mA (DC OR 1000 Hz)	30 mΩ MAX.	<input type="radio"/>	<input type="radio"/>		
MILLIVOLT LEVEL METHOD						
INSULATION RESISTANCE	500 V DC	100 MΩ MIN.	<input type="radio"/>	<input type="radio"/>		
VOLTAGE PROOF	650 V AC FOR 1 MIN	NO FLASHOVER OR BREAKDOWN.	<input type="radio"/>	<input type="radio"/>		
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.	INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.	<input type="radio"/>	<input type="radio"/>		
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE:60 mΩ MAX. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	<input type="radio"/>	<input type="radio"/>		
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:60 mΩ MAX. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	<input type="radio"/>	<input type="radio"/>		
SHOCK	FREQUENCY 20 TO 50 Hz, 66.6 m/S ² AT 1 h	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② CONTACT RESISTANCE:60 mΩ MAX. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	<input type="radio"/>	<input type="radio"/>		
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.	<input type="radio"/>	<input type="radio"/>		
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE:60 mΩ MAX. ② INSULATION RESISTANCE:100MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	<input type="radio"/>	<input type="radio"/>		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -40 → 5 TO 35 → 85 → 5 TO 35 °C TIME 30 → 5 → 30 → 5 MIN UNDER 1000 CYCLES.	① CONTACT RESISTANCE:60 mΩ MAX. (NOTE3) ② INSULATION RESISTANCE:100MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PART.	<input type="radio"/>	<input type="radio"/>		
DRY HEAT	EXPOSED AT 105 °C, 300 h.	① CONTACT RESISTANCE:60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="radio"/>	<input type="radio"/>		
COLD	EXPOSED AT -55 °C, 120 h.	① CONTACT RESISTANCE:60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="radio"/>	<input type="radio"/>		
CORROSION, SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.	① CONTACT RESISTANCE:60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="radio"/>	<input type="radio"/>		
RESISTANCE TO HSO ³ GAS	EXPOSED IN 500 PPM FOR 8 h.	① CONTACT RESISTANCE:60 mΩ MAX. ② NO HEAVY CORROSION.	<input type="radio"/>	<input type="radio"/>		
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.	NO DEFORMATION IN CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	<input type="radio"/>	<input type="radio"/>		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 °C FOR IMMERSION DURATION, 3 s.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.	<input type="radio"/>	<input type="radio"/>		
REMARKS		DRAWN	DESIGNED	CHECKED	APPROVD	RELEASED
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT. NOTE2 OVER 500 CYCLES : 120 mΩ MAX.		S.KURIYA	T. SHISHIKURA	K. Aato	K. Aato	
		'07.5.23	'97.10.6	'07.5.23	'07.5.23	
Note QT:Qualification Test AT:Assurance Test O:Applicable Test						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. GT17-8DS-7CF (70)		
CODE NO. (OLD)		DRAWING NO. ELC4-165414-01		CODE NO. CL767-0007-5-70		1/1