

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	$\triangle$ -40 °C TO 105 °C (NOTE1)	STORAGE TEMPERATURE RANGE	-40 °C TO 105 °C	
	VOLTAGE	30 V AC	CURRENT	1 A	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	x	x
MARKING		CONFIRMED VISUALLY.		x	x
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		1A DC.	SIGNAL : 30 m Ω MAX, SHIELD : 60 m Ω MAX.	x	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	SIGNAL : 30 m Ω MAX, SHIELD : 60 m Ω MAX.	x	—
INSULATION RESISTANCE		500 V DC	100 M Ω MIN.	x	—
VOLTAGE PROOF		500 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	x	—
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES		— BY STEEL GAUGE.	INSERTION FORCE — N MAX. EXTRACTION FORCE — N.	—	—
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE : SIGNAL : 60 m Ω MAX, SHIELD : 120 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
VIBRATION		FREQUENCY 20 TO 200 Hz, 43.1 m/s ² AT 3 h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μ s. ② CONTACT RESISTANCE : SIGNAL : 60 m Ω MAX, SHIELD : 120 m Ω MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
SHOCK		ACCELERATION 980m/s ² ,6ms AT 3 TIMES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μ s. ② CONTACT RESISTANCE : SIGNAL : 60 m Ω MAX, SHIELD : 120 m Ω MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
LOCK STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT 98N MAX.	① DURING APPLYING,MATING COMPLETELY. ② AFTER APPLYING,NO DEFECT OF MATING PARTS.	x	—
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 ~ 95 %, 500 h.	① CONTACT RESISTANCE : SIGNAL : 60 m Ω MAX, SHIELD : 120 m Ω MAX. ② INSULATION RESISTANCE : 100 M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
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 : SIGNAL : 60 m Ω MAX, SHIELD : 120 m Ω MAX. ② INSULATION RESISTANCE : 100 M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
DRY HEAT		EXPOSED AT 105°C, 1000 h.	① CONTACT RESISTANCE : SIGNAL : 60 m Ω MAX, SHIELD : 120 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
COLD		EXPOSED AT -40°C, 1000 h.	① CONTACT RESISTANCE : SIGNAL : 60 m Ω MAX, SHIELD : 120 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—
RESISTANCE TO SO ₂ GAS		EXPOSED IN 500 PPM FOR 8 h.	① CONTACT RESISTANCE : SIGNAL : 60 m Ω MAX, SHIELD : 120 m Ω MAX. ② NO HEAVY CORROSION.	x	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	x	—
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.	x	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
$\triangle$	1	DIS-T-003743	NK. IKUTA	TS. KUBOTA	14. 01. 28
REMARK			APPROVED	NH. NAKATA	13. 06. 14
(NOTE1) INCLUDE THE TEMPERATURE RISING BY CURRENT.			CHECKED	TS. KUBOTA	13. 06. 14
(NOTE2) APPLICABLE BOARD : 1.6±0.2			DESIGNED	NK. IKUTA	13. 06. 14
			DRAWN	NK. IKUTA	13. 06. 14
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-169933-00
HRS	SPECIFICATION SHEET		PART NO.	GT32-19DP-0. 75DSA	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL782-0037-9-00	$\triangle$ 1/1