

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	-40°C TO +105°C			
	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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
MARKING	CONFIRMED VISUALLY.						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE	1 A DC.			30 mΩ MAX.			<input type="checkbox"/>	<input type="checkbox"/>	
CONTACT RASISTANCE	20 mV AC MAX, 0.1 mA(DC OR 1000 Hz)			30 mΩ MAX.			<input type="checkbox"/>	<input type="checkbox"/>	
MILLIVOLT LEVEL METHOD							<input type="checkbox"/>	<input type="checkbox"/>	
INSULATION RESISTANCE	500 V DC			100 MΩ MIN.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
VOLTAGE PROOF	650 V AC FOR 1 MIN			NO FLASHOVER OR BREAKDOWN.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.			INSERTION FORCE ____ N MAX. EXTRACTION FORCE ____ N MIN.			<input type="checkbox"/>	<input type="checkbox"/>	
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.			(1) CONTACT RESISTANCE:60 mΩ MAX. (2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	
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. (2) INSULATION RESISTANCE:100MΩ MIN. (3) NO DAMAGE, CRACK AND LOOSENESS OF PART.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DRY HEAT	EXPOSED AT 105 °C, 300 h.			(1) CONTACT RESISTANCE:60 mΩ MAX. (2) NO HEAVY CORROSION.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
COLD	EXPOSED AT -55 °C, 120 h.			(1) CONTACT RESISTANCE:60 mΩ MAX. (2) NO HEAVY CORROSION.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION, SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.			(1) CONTACT RESISTANCE:60 mΩ MAX. (2) NO HEAVY CORROSION.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RESISTANCE TO H ₂ SO ₄ ³ GAS	EXPOSED IN 500 PPM FOR 8 h.			(1) CONTACT RESISTANCE:60 mΩ MAX. (2) NO HEAVY CORROSION.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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="checkbox"/>	<input type="checkbox"/>	
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230 °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="checkbox"/>	<input type="checkbox"/>	
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVD	RELEASED	
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT.				<i>M. Hara</i> 04.10.21	<i>M. Hara</i> 04.10.21	<i>K. Ito</i> 04.10.22	<i>K. Ito</i> 04.10.22		
Note QT:Qualification Test AT:Assurance Test <input type="checkbox"/> :Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET				PART NO. GT 17 VSA-6 DS-HU			
CODE NO. (OLD)		DRAWING NO. ELC 4-165623				CODE NO. CL 767-0052-0			
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