

In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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 (NOTE)	STORAGE TEMPERATURE RANGE		-40°C TO +105°C				
VOLTAGE		250 V AC			CURRENT		3 A				
SPECIFICATIONS											
ITEM		TEST METHOD		REQUIREMENTS		QT / AT					
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.							
GENERAL EXAMINATION		CONFIRMED VISUALLY.									
ELECTRICAL CHARACTERISTICS		1 A DC.		30 mΩ MAX.							
CONTACT RESISTANCE		20 mV AC MAX. 0.1 mA(DC OR 1000 Hz)		30 mΩ MAX.							
MILLIVOLT LEVEL METHOD											
INSULATION RESISTANCE		500 V DC		100 MΩ MIN.							
VOLTAGE PROOF		650 V AC FOR 1 MIN		NO FLASHOVER OR BREAKDOWN.							
MECHANICAL CHARACTERISTICS		BY STEEL GAUGE.		INSERTION FORCE _____ N MAX.							
CONTACT INSERTION AND EXTRACTION FORCES		30 TIMES INSERTIONS AND EXTRACTIONS.		EXTRACTION FORCE _____ N MIN.							
MECHANICAL OPERATION				① CONTACT RESISTANCE: 60 mΩ MAX.							
VIBRATION		FREQUENCY 20 TO 200 Hz, 43.1 m/S ² AT 3 h FOR 3 DIRECTIONS.		② 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.							
LOCK STRENGTH		APPLYING A PULL FORCE THE MATING AXIALLY AT 98 N MAX.		② CONTACT RESISTANCE: 60 mΩ MAX.							
ENVIRONMENTAL CHARACTERISTICS		EXPOSED AT 60 °C, 90 TO 95 %, 500 h.		③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.							
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.							
DRY HEAT		EXPOSED AT 105 °C, 300 h.		② INSULATION RESISTANCE: 100MΩ MIN.							
COLD		EXPOSED AT -55 °C, 120 h.		③ NO DAMAGE, CRACK AND LOOSENESS OF PART.							
CORROSION, SALT MIST		EXPOSED IN 5% SALT WATER SPRAY FOR 96 h.		① CONTACT RESISTANCE: 60 mΩ MAX.							
RESISTANCE TO HSO ³ GAS		EXPOSED IN 500 PPM FOR 8 h.		② NO HEAVY CORROSION.							
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 °C FOR IMMERSION, DURATION, 10 s.		① CONTACT RESISTANCE: 60 mΩ MAX.							
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, 230 °C FOR IMMERSION DURATION, 3 S		② NO HEAVY CORROSION.							
REMARKS		NOTE! INCLUDE THE TEMPERATURE RISING BY CURRENT.		NO DEFORMATION IN CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.							
				A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSERD.							
Note QT:Qualification Test AT:Assurance Test O:Applicable Test		DRAWN		DESIGNED		CHECKED		APPROVD		RELEASED	
		<i>M. Houry</i>		<i>M. Houry</i>		<i>K. Kato</i>		<i>K. Kato</i>			
		<i>kyogaku</i>		<i>kyogaku</i>							
		04.10.21		04.10.22		04.10.22		04.10.22			
TO		AMC									
Code No. (OLD)		DRAWING NO.		PART NO.		CODE NO.		CODE NO.		1	
		ELC4-165623		GT17VSA-6DS-HU		CL767-0052-0				1	

