In case of consideration for using Automotive equipment/device which demand high reliability, kindly contact our sales window correspondents.
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APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	−55 °C TO +85 °C(1)	STORAGE TEMPERATURE RANGE	−40 °C TO +60 °C(2)
	OPERATING HUMIDITY RANGE	85 % MAX(3)	STORAGE HUMIDITY RANGE	5 % TO 85 %(2)
	VOLTAGE	200 V AC	APPLICABLE CABLE	—
	CURRENT	1 A	INSULATION	—

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	100 mA (DC OR 1000 Hz).	15 mΩ MAX .	×	—
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	×	—
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	—
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND EXTRACTION FORCES	□0.5 ± 0.002 mm BY STEEL GAUGE.	INSERTION FORCE : 2.45 N MAX. EXTRACTION FORCE: 0.24 N MIN.	×	—
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE : 0.75 mm, 2 h IN 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK	490 m/s², DURATION OF PULSE 11 ms FOR 3 TIMES IN 3 DIRECTIONS.		×	—
ENVIRONMENTAL CHARACTERISTICS				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) INSULATION RESISTANCE: 1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE −55 → +5 TO +35 → +85 → +5 TO +35 °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min. UNDER 5 CYCLES.		×	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE: 20 mΩ MAX. 2) NO HEAVY CORROSION.	×	—
SULPHUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA 39)		×	—
RESISTANCE TO SOLDERING HEAT	REFLOW SOLDERING : 250 °C MAX, 220 °C MIN, FOR 60 s MAX	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	—
	SOLDERING IRONS : 360°C FOR 5 s MAX.		×	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245 ± 3 °C, FOR IMMERSION DURATION, 3 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
(1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED.
(2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.
(3) NO CONDENSATION.
Unless otherwise specified, refer to IEC-60512.

APPROVED	HS. OKAWA	15.07.16
CHECKED	HT. YAMAGUCHI	15.07.16
DESIGNED	MT. ITANO	15.07.16
DRAWN	MT. ITANO	15.07.16

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

DRAWING NO. ELC-082676-71-21

HRS	SPECIFICATION SHEET	PART NO.	A3A-10DA-2SV(71)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL621-1143-3-71	△0 1/1

FORM HD0011-2-1