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

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C <sup>(1)</sup>
	VOLTAGE	$\triangle 1$ 60 V AC/DC	STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX
	CURRENT	2 A		(NOT DEWED)

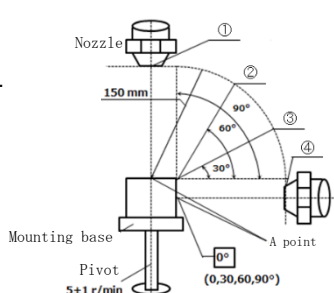
### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	x	x
MARKING	CONFIRMED VISUALLY.		x	x

<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	1A DC.	8 mΩ MAX.	-	-
CONTACT RESISTANCE	20 mV AC MAX, 0.1 mA(DC OR 1000Hz)	8 mΩ MAX.	-	-
MILLIVOLT LEVEL METHOD				
INSULATION RESISTANCE	500V DC.	100 MΩ MIN.	x	-
VOLTAGE PROOF	1000 V AC FOR 1 min.	$\triangle 1$ NO BREAKDOWN.	-	-

<b>MECHANICAL CHARACTERISTICS</b>				
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 16 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	-	-
VIBRATION	FREQUENCY 20 TO 200Hz (88m/s <sup>2</sup> ) SWEEP TIME 3min.(ROUND TRIP) AT 3h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN, 1μs MIN. ② CONTACT RESISTANCE: 16 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	-	-
SHOCK	981m/s <sup>2</sup> DURATION OF PULSE 6ms AT 3 TIMES FOR 6 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN, 1μs MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	-	-
LOCK STRENGTH	MEASURE BREAK STRENGTH OF THE LOCK BY PULLING THE CONNECTOR IN THE MATING DIRECTION.	100N MIN.	x	-

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 16 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	-	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE- 40 →ROOM TEMP →125°C→ ROOM TEMP TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 16 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	-	-
DRY HEAT	EXPOSED AT 140°C, 120 h.	① CONTACT RESISTANCE: 16 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	-	-
COLD	EXPOSED AT -40°C, 120 h.	① CONTACT RESISTANCE: 16 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	-	-
RESISTANCE TO SO <sub>2</sub> GAS	EXPOSED IN 25 PPM AT 75% MIN FOR 96h.	CONTACT RESISTANCE: 16 mΩ MAX.	-	-
RESISTANCE TO HIGH-PRESSURE WASHING $\triangle 1$	AFTER HEATING AT 120°C FOR 120 h, WATER AT 80°C, 10 MPa, FOR 30 sec AT THE POSITIONS OF ① TO ④. ROTATE THE MOUNTING BASE AT 5 r/min. 	① NO WATER PENETRATION PERMITTED. ② INSULATION RESISTANCE:100 MΩ MIN.	x	-

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
$\triangle 1$ 3	DIS-T-00005917	AN. SAIKI	HH. TSUKUMO	20200312

REMARK (NOTE1) "STORAGE" means a long-term storage state for the unused product.	APPROVED	OM. MIYAMOTO	20190521
	CHECKED	HH. TSUKUMO	20190521
	DESIGNED	AS. SHIBAHARA	20190521
	DRAWN	MINTAE KANG	20190521

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC-374259-00-00
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	ZE064W-24DS-HU/R (A)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL753-2005-0-00	$\triangle 1$ 1/1