

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C ⁽¹⁾	
	VOLTAGE	60 V AC/DC	STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 85% MAX	
	CURRENT	2 A		(NOT DEWED)	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.(2) 	x	x
MARKING		CONFIRMED VISUALLY.		x	x
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		1A DC.	10 mΩ MAX .	—	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		10 mV AC MAX, 0.1 mA(DC OR 1000Hz)	10 mΩ MAX .	—	—
INSULATION RESISTANCE		500 V DC.	100 MΩ MIN.	x	—
VOLTAGE PROOF		1000 V AC FOR 1 min.	NO BREAKDOWN. 	—	—
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— x	— —
VIBRATION		FREQUENCY 20 TO 200Hz (88m/s ²) SWEEP TIME 3min.(ROUND TRIP) AT 3h FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 7ΩMIN , 1μs MIN. ② CONTACT RESISTANCE: 20 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— — x	— — —
SHOCK		981m/s ² 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.	— x	— —
LOCK STRENGTH		MEASURE BREAK STRENGTH OF THE LOCK BY PULLING THE CONNECTOR IN THE MATING DIRECTION.	① 100 N MIN	x	—
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 60 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② INSULATION RESISTANCE:100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— x x	— — —
RAPID CHANGE OF TEMPERATURE		TEMPERATURE- 40 →ROOM TEMP →125°C→ ROOM TEMP TIME 30 → 5 → 30 → 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— x	— —
DRY HEAT		EXPOSED AT 140°C, 120 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— x	— —
COLD		EXPOSED AT -40°C , 120 h.	① CONTACT RESISTANCE: 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	— x	— —
RESISTANCE TO SO ₂ GAS		EXPOSED IN 25 PPM AT 75% MIN FOR 96h.	① CONTACT RESISTANCE: 20 mΩ MAX.	—	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	4	DIS-T-00027780	AN. SAIKI	TY. MOGI	20260527
REMARK			APPROVED	HK. UMEHARA	20171016
(NOTE1) Indicate the permissible range of ambient temperature and humidity for storing the product in its packaged condition, including during transportation.			CHECKED	HK. UMEHARA	20171016
(NOTE2) Appearance differences that do not affect functionality or reliability (such as dark spots, scuff marks, blisters, discoloration, etc.) shall be disregarded.			DESIGNED	TY. ISHIGURO	20171016
			DRAWN	MN. SATOH	20171013
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-368640-00-00	
	SPECIFICATION SHEET		PART NO.	ZE05-16DS-HU/R	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0752-2205-0-00	 1/1