

Apr.1.2019 Copyright 2019 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
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 ⁽¹⁾ \triangle	
	VOLTAGE	250 V AC	STORAGE HUMIDITY RANGE \triangle	Relative humidity 85% max	
	CURRENT	2 A \triangle		(Not dewed) \triangle	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	x	x
MARKING	CONFIRMED VISUALLY.			x	x
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	1A DC.		10 m Ω MAX.	x	-
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD	10 mV AC MAX, 0.1 mA(DC OR 1000Hz)		10 m Ω MAX.	x	-
INSULATION RESISTANCE	500 V DC.		100 M Ω MIN.	x	-
VOLTAGE PROOF	1000 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	x	-
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 20 m Ω 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 7 Ω MIN , 1 μ s MIN. ② CONTACT RESISTANCE: 20 m Ω 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 7 Ω MIN , 1 μ s 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 100N MIN.	x	-
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 20 m Ω MAX. ② INSULATION RESISTANCE:100 M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE- 40 \rightarrow ROOM TEMP \rightarrow 125 $^{\circ}$ C \rightarrow ROOM TEMP TIME 30 \rightarrow 5 \rightarrow 30 \rightarrow 5 min UNDER 1000 CYCLES.		① CONTACT RESISTANCE: 20 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
DRY HEAT	EXPOSED AT 140 $^{\circ}$ C, 120 h.		① CONTACT RESISTANCE: 20 m Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	-
COLD	EXPOSED AT -40 $^{\circ}$ C , 120 h.		① CONTACT RESISTANCE: 20 m Ω 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 m Ω MAX.	x	-
RESISTANCE TO SOLDERING HEAT	REFLOW TEMP. OVER 260 $^{\circ}$ C , 10sec. PREHEAT 180 $^{\circ}$ C MAX , 120sec.		NO PLATING PEELING OF THE TERMINALS, MELTINGS OF HOUSINGS.	x	-
SOLDERABILITY	SOLDERED AT SPECIFIED TEMPERATURE PROFILE.		A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.	x	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
\triangle	5	DIS-T-00003281	TY. ISHIGURO	AH. EDASHIGE	18. 05. 18
REMARK			APPROVED	HK. UMEHARA	17. 04. 11
(NOTE1) "STORAGE" means a long-term storage state for the unused product before assembly to PCB. \triangle			CHECKED	HK. UMEHARA	17. 04. 11
			DESIGNED	KT. MATSUDA	17. 04. 11
			DRAWN	KT. MATSUDA	17. 04. 11
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-373531-00-00
SPECIFICATION SHEET			PART NO.	ZE05H-8DP-2H	
HIROSE ELECTRIC CO., LTD.			CODE NO.	CL752-2112-0-00	\triangle 1/1