APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	AC 100 V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY: 95% MAX (NO DEW CONDENSATION IS PERMITTED)
	CURRENT	SIGNAL: 0.5A		

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUAL AND WITH MEASURING INSTRUMENT	ACCORDING TO A DRAWING	X	X
MARKING	CONFIRM VISUALLY		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE [EIA-364-23]	100 mA	50 mΩ MAX (*1) MATED WITH ER8-50S-0.8SV-**H(**)	X	—
INSULATION RESISTANCE [EIA-364-21]	100 V DC	1000 MΩ MIN	X	—
VOLTAGE PROOF [EIA-364-20]	300 V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN	X	—
MECHANICAL CHARACTERISTICS				
MECHANICAL OPERATION [EIA-364-09]	100 TIMES INSERTION AND EXTRACTION	1) CONTACT RESISTANCE CHANGE: 15 mΩ OR LESS 2) NO FLASHOVER OR BREAKDOWN 3) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
RANDOM VIBRATION [EIA-364-28]	FREQUENCY: 20 TO 500 Hz POWER SPECTRAL DENSITY: 0.02 G^2/Hz FOR 90 min IN THREE DIRECTIONS	1) NO ELECTRICAL DISCONTINUITY OF 1 μs OR MORE 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
SHOCK [EIA-364-27]	980 m/s^2, DURATION OF PULSE: 6 ms 18TIMES TOTAL, 3 EACH DIRECTION, 3 AXIS		X	—
ENVIRONMENTAL CHARACTERISTICS				
THERMAL SHOCK [EIA-364-32]	TEMPERATURE(°C): -55 →20 ~ 35 → 85 →20 ~ 35 TIME(min): 30 → 2 ~ 3 → 30 →2 ~ 3 UNDER 25 CYCLES	1) CONTACT RESISTANCE CHANGE: 15 mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS 3) NO FLASHOVER OR BREAKDOWN 4) INSURATION RESISTANCE:1000MΩMIN	X	—
CYCLIC TEMPERATURE AND HUMIDITY [EIA-364-31]	@ 25 °C, 90-95% RH: 120 min DWELL TIME ↑ ↓ 120min RAMP TIME @ 65 °C, 90-95% RH: 120 min DWELL TIME UNDER 12CYCLES		X	—
DRY HEAT [EIA-364-17]	EXPOSED AT 105 °C, 250 HOURS	1) CONTACT RESISTANCE CHANGE: 15 mΩ OR LESS	X	—
GAS TIGHT [EIA-364-36]	Nitric acid vapor 60min		X	—

△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0					

REMARK
(*1) THE VALUE OF CONTACT RESISTANCE INCLUDES THE BULK RESISTANCE.

Unless otherwise specified, refer to IEC 60512.

APPROVED	TY. TAKADA	20221017
CHECKED	TY. TAKADA	20221017
DESIGNED	KM. KUBOTA	20221017
DRAWN	KT. UENO	20221017

NOTE -- QT: QUALIFICATION TEST; AT: ASSURANCE TEST; X: APPLICATION TEST

DRAWING NO. ELC-363753-10-00

HRS	SPECIFICATION SHEET	PART NO.	ER8-50P-0.8SV-2H(10)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL0625-0009-0-10	△0 1/1

FORM HD0011-2-1