


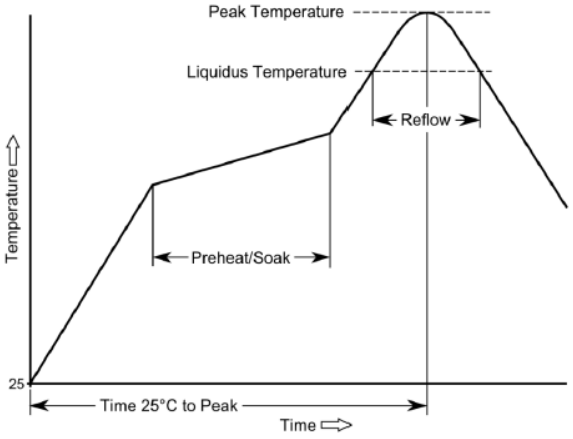


May.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-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 ER8-80S-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		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	3) NO FLASHOVER OR BREAKDOWN 4) INSURATION RESISTANCE:1000MΩ MIN		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
REMARK (*1) THE VALUE OF CONTACT RESISTANCE INCLUDES THE BULK RESISTANCE.			APPROVED	TS. OSHIDA	20250317
Unless otherwise specified, refer to IEC 60512.			CHECKED	TS. OSHIDA	20250317
			DESIGNED	KO. SUSUKIDA	20250317
			DRAWN	KO. SUSUKIDA	20250317
NOTE -- QT: QUALIFICATION TEST; AT: ASSURANCE TEST; X: APPLICATION TEST			DRAWING NO.		ELC-369140-00-00
	SPECIFICATION SHEET		PART NO.	ER8-80P-0.8SV-5H	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0625-0029-0-00	 1/2

May.1.2026 Copyright 2026 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.

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT														
RESISTANCE TO SOLDERING HEAT	RECOMMENDED TEMPERATURE FOR REFLOW Pb-Free Assembly <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th>Preheat/Soak (150°C-200°C)</th> <th>Max Ramp Up Rate</th> <th>Reflow Time (above 217°C)</th> <th>Peak Temp</th> <th>Time within 5°C of 260°C</th> <th>Max Ramp Down Rate</th> <th>Time 25°C to Peak Temp</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">60-120 sec.</td> <td style="text-align: center;">3°C/s max.</td> <td style="text-align: center;">40-150 sec.</td> <td style="text-align: center;">260°C</td> <td style="text-align: center;">30 sec. max.</td> <td style="text-align: center;">6°C/s max.</td> <td style="text-align: center;">8 min. max.</td> </tr> </tbody> </table> 	Preheat/Soak (150°C-200°C)	Max Ramp Up Rate	Reflow Time (above 217°C)	Peak Temp	Time within 5°C of 260°C	Max Ramp Down Rate	Time 25°C to Peak Temp	60-120 sec.	3°C/s max.	40-150 sec.	260°C	30 sec. max.	6°C/s max.	8 min. max.	NO MELTING OF RESIN WHICH AFFECTS THE PERFORMANCE OF COMPONENT.	X	—
Preheat/Soak (150°C-200°C)	Max Ramp Up Rate	Reflow Time (above 217°C)	Peak Temp	Time within 5°C of 260°C	Max Ramp Down Rate	Time 25°C to Peak Temp												
60-120 sec.	3°C/s max.	40-150 sec.	260°C	30 sec. max.	6°C/s max.	8 min. max.												

Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO. ELC-369140-00-00	
HRS	SPECIFICATION SHEET		PART NO. ER8-80P-0. 8SV-5H
	HIROSE ELECTRIC CO., LTD.		CODE NO CL0625-0029-0-00 2/2