




APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +85°C	STORAGE TEMPERATURE RANGE	-10°C TO +60°C		
	VOLTAGE	AC 50V	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY:90% 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]		100mA	70mΩ MAX (*1)		X	—
INSULATION RESISTANCE [EIA-364-21]		100V DC	1000MΩ MIN		X	—
VOLTAGE PROOF [EIA-364-20]		150V AC FOR 1 min	NO FLASHOVER OR BREAKDOWN		X	—
MECHANICAL CHARACTERISTICS						
INSERTION AND WITHDRAWAL FORCES [EIA-364-13]		MEASURED WITH RESPECT TO APPLICABLE CONNECTORS		INSERTION FORCE: 200N MAX WITHDRAWAL FORCE: 15N MIN	X	—
MECHANICAL OPERATION [EIA-364-09]		100 TIMES INSERTION AND EXTRACTION		1) CONTACT RESISTANCE CHANGE:20mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
RANDOM VIBRATION [EIA-364-28]		FREQUENCY:50 TO 2000Hz POWER SPECTRAL DENSITY:0.1G ² /Hz FOR 120 min IN 3 DIRECTIONS		1) NO ELECTRICAL DISCONTINUITY OF 1μs OR MORE 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
SHOCK [EIA-364-27]		490m/s ² , DURATION OF PULSE:11ms 18 TIMES TOTAL, 3 EACH DIRECTION, 3 AXIS			X	—
ENVIRONMENTAL CHARACTERISTICS						
THERMAL SHOCK [EIA-364-32]		TEMPERATURE(°C): -65 → 20 ~ 35 → 105 → 20 ~ 35 TIME(min): 30 → 5MAX → 30 → 5MAX UNDER 25 CYCLES		1) CONTACT RESISTANCE CHANGE:20mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
CYCLIC TEMPERATURE AND HUMIDITY [EIA-364-31]		@ 25°C, 80% RH:60 min DWELL TIME ↓ 30 min RAMP TIME @ 65°C, 50% RH:60 min DWELL TIME UNDER 24 CYCLES			X	—
DRY HEAT [EIA-364-17]		EXPOSED AT 105°C, 120 HOURS		1) CONTACT RESISTANCE CHANGE:20mΩ OR LESS 2) NO DAMAGE, CRACK OR LOOSENESS OF PARTS	X	—
MIXED FLOWING GAS [EIA-364-65]		EXPOSED AT 30°C, 70% RH Cl ₂ :10ppb, NO ₂ :200ppb, H ₂ S:10ppb, SO ₂ :100ppb UNMATED 7 DAYS → MATED 7 DAYS		1) CONTACT RESISTANCE CHANGE:20mΩ OR LESS 2) NO HEAVY CORROSION	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
 REMARK (*1) THE VALUE OF CONTACT RESISTANCE INCLUDES THE BULK RESISTANCE.				APPROVED	TM.MATSUO	20181121
				CHECKED	MK.EZAKI	20181121
				DESIGNED	TH.SANO	20181120
				DRAWN	TH.SANO	20181120
NOTE QT: QUALIFICATION TEST; AT: ASSURANCE TEST; X: APPLICATION TEST			DRAWING NO.		ELC-355934-00-00	
	SPECIFICATION SHEET		PART NO.	IT8-288S-35H		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL636-3502-4-00		
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