




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: 135N MAX WITHDRAWAL FORCE: 10N 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 <sup>2</sup> /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 <sup>2</sup> , 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 <sub>2</sub> :10ppb, NO <sub>2</sub> :200ppb, H <sub>2</sub> S:10ppb, SO <sub>2</sub> :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
Unless otherwise specified, refer to IEC 60512.				DRAWN		TH.SANO	20181120
NOTE QT: QUALIFICATION TEST; AT: ASSURANCE TEST; X: APPLICATION TEST				DRAWING NO.		ELC-355933-00-00	
	SPECIFICATION SHEET			PART NO.		IT8-192S-35H	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL636-3501-1-00	
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