

APPLICABLE STANDARD																	
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C ⁽¹⁾	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C ⁽²⁾													
	VOLTAGE	100 V AC	STORAGE HUMIDITY RANGE	40 % TO 70 % ⁽²⁾													
	CURRENT	0.5 A (SIGNAL CONTACT) ⁽³⁾ ⚠ 3 A (MF CONTACT) ⚠	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 85% max (NOT DEWED)													
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		100 mA(DC OR 1000Hz)	SIGNAL CONTACT : 90 mΩ MAX. MF CONTACT : 30 mΩ MAX. ⚠	x	—												
INSULATION RESISTANCE		250 V DC.	1000 MΩ MIN.	x	—												
VOLTAGE PROOF		300 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	x	—												
MECHANICAL CHARACTERISTICS																	
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE: 40 N MAX. WITHDRAWAL FORCE: 4 N MIN.	x	—												
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: SIGNAL CONTACT : 100 mΩ MAX. MF CONTACT : 40 mΩ MAX. ⚠ ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—												
VIBRATION		FREQUENCY 10 TO 55 TO 10Hz, APPROX 5min SINGLE AMPLITUDE : 0.75 mm, 10 CYCLES FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—												
SHOCK		490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		x	—												
ENVIRONMENTAL CHARACTERISTICS																	
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.	① CONTACT RESISTANCE: SIGNAL CONTACT : 100 mΩ MAX. MF CONTACT : 40 mΩ MAX. ⚠	x	—												
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → +85 °C TIME 30 → 30 min. UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER: WITHIN 2~3 MIN)	② INSULATION RESISTANCE :1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	—												
SULFUR DIOXIDE		EXPOSED AT 25±2°C, 75±5%RH, 25 PPM FOR 96 h. (TEST STANDARD: JIS C 60068)	NO HEAVY CORROSION.	x	—												
RESISTANCE TO SOLDERING HEAT		1)REFLOW SOLDERING : PEAK TMP : 260°C MAX REFLOW TMP: 220°C MIN FOR 60sec 2) SOLDERING IRONS : 360°C MAX. FOR 5 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.	x	—												
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE 240±3°C FOR IMMERSION DURATION, 3 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	x	—												
<table><tr><td></td><td>COUNT</td><td>DESCRIPTION OF REVISIONS</td><td>DESIGNED</td><td>CHECKED</td><td>DATE</td></tr><tr><td>⚠</td><td>6</td><td>DIS-F-004173</td><td>TH. SANO</td><td>KI. HIROKAWA</td><td>09. 09. 15</td></tr></table>							COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	⚠	6	DIS-F-004173	TH. SANO	KI. HIROKAWA	09. 09. 15
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REMARKS ⁽¹⁾ INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING. ⁽²⁾ "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB. ⁽³⁾ THE RATED CURRENT APPLIES TO PER CONTACT. ⚠			APPROVED	HS. OKAWA	09. 04. 28												
			CHECKED	HS. OZAWA	09. 04. 28												
			DESIGNED	KI. HIROKAWA	09. 04. 28												
			DRAWN	KI. HIROKAWA	09. 04. 28												
Unless otherwise specified, refer to JIS-C-5402.																	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-159082-00												
		SPECIFICATION SHEET		PART NO. FX18-60S-0. 8SH													
		HIROSE ELECTRIC CO., LTD.		CODE NO. CL579-0010-3-00 ⚠ 1/1													