







In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C <sup>(1)</sup>	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C <sup>(2)</sup>			
	VOLTAGE	100 V AC	STORAGE HUMIDITY RANGE	40 % TO 70 % <sup>(2)</sup>			
CURRENT	0.5 A (SIGNAL CONTACT) <sup>(3)</sup>	3 A (MF CONTACT) 	OPERATING HUMIDITY RANGE	RELATIVE HUMIDITY 85% max (NOT DEWED)			
			<b>SPECIFICATIONS</b>				
ITEM	TEST METHOD		REQUIREMENTS		QT	AT	
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		x	x
MARKING		CONFIRMED VISUALLY.				x	x
<b>ELECTRIC CHARACTERISTICS</b>							
CONTACT RESISTANCE	100 mA(DC OR 1000HZ)	SIGNAL CONTACT : 90 mΩ MAX.			x	-	
INSULATION RESISTANCE	250 V DC.	MF CONTACT : 30 mΩ MAX. 			x	-	
VOLTAGE PROOF	300 V AC FOR 1 min.	1000 MΩ MIN.	NO FLASHOVER OR BREAKDOWN.		x	-	
<b>MECHANICAL CHARACTERISTICS</b>							
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE: 40 N MAX.		x	-	
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRactions.		WITHDRAWAL FORCE: 4 N MIN.				
			① CONTACT RESISTANCE: SIGNAL CONTACT : 100 mΩ MAX. MF CONTACT : 40 mΩ MAX. 		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.		x	-	
	SHOCK 490 ms <sup>2</sup> , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		x	-	
<b>ENVIRONMENTAL CHARACTERISTICS</b>							
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.			x	-	
SULFUR DIOXIDE	EXPOSED AT 25±2°C, 75±5%RH, 25 PPM FOR 96 h. (TEST STANDARD: JIS C 60068)	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			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	-	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
6	DIS-F-004173	TH. SAN0	KI. HIROKAWA	09.09.15			
REMARKS <sup>(1)</sup> INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING. <sup>(2)</sup> "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB. <sup>(3)</sup> THE RATED CURRENT APPLIES TO PER CONTACT. 							
Unless otherwise specified, refer to JIS-C-5402.		DRAWING NO.		ELC4-159082-00			
Note QT: Qualification Test AT: Assurance Test X: Applicable Test							
<b>HRS</b>		SPECIFICATION SHEET		PART NO.		FX18-60S-0.8SH	
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL579-0010-3-00 	
						1/1	