






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

APPLICABLE STANDARD				STORAGE TEMPERATURE RANGE		-10 °C TO 60 °C (2)	
OPERATING TEMPERATURE RANGE		-55 °C TO 85 °C (1)		STORAGE HUMIDITY RANGE		40 % TO 70 % (2)	
RATING VOLTAGE		100 V AC		OPERATING HUMIDITY RANGE		RELATIVE HUMIDITY 85% max (NOT DEWED)	
CURRENT		0.5 A (SIGNAL CONTACT) (3) 3 A (MF CONTACT) 					
SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS		QT	AT		
CONSTRUCTION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.			
MARKING		CONFIRMED VISUALLY.		X 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: 70 N MAX. WITHDRAWAL FORCE: 7 N MIN.		X -			
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRactions.	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. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X -			
SHOCK	490 ms ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		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 -			
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
4	DIS-F-004173	TH. SAMO	K1. HIROKAWA	09.09.15			
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. APPLY 0.4A WHEN ALL THE CONTACTS ARE USED FOR CURRENT CARRYING. Unless otherwise specified, refer to JIS-C-5402.							
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-159085-00			
HRS		SPECIFICATION SHEET		FX18-120S-0.8SH			
		HIROSE ELECTRIC CO., LTD.		CODE NO.		CL579-0013-1-00 	
				PART NO.		1/1	