

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C			STORAGE TEMPERATURE RANGE	— °C TO — °C				
	VOLTAGE	AC 125 V			OPERATING HUMIDITY RANGE	— % TO — %				
	CURRENT	0.5 A			APPLICABLE CABLE	AWG28				
SPECIFICATIONS										
ITEM	TEST METHOD				REQUIREMENTS				QT	AT
CONSTRUCTION										
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				○	○
MARKING	CONFIRMED VISUALLY.								○	○
ELECTRICAL CHARACTERISTICS										
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).				45 mΩ MAX.				○	—
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. / mA (DC OR 1000 Hz).				55 mΩ MAX.				○	—
INSULATION RESISTANCE	250 V DC				100 MΩ MIN.				○	—
VOLTAGE PROOF	300 V AC FOR 1 min				NO FLASHOVER OR BREAKDOWN.				○	—
MECHANICAL CHARACTERISTICS										
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.				INSERTION FORCE N MAX. EXTRACTION FORCE N MIN.				—	—
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE 53.0 N MAX. EXTRACTION FORCE 3.9 N MIN.				○	○
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS				① CONTACT RESISTANCE: 55 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.76 mm, — m/s ² AT 2 h FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF / μs. ② CONTACT RESISTANCE: — mΩ MAX.				○	—
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	—
ENVIRONMENTAL CHARACTERISTICS										
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95%, 96 h.				① CONTACT RESISTANCE: 55 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 ~ +35 ~ 85 ~ +35 °C TIME 30 ~ 10 ~ 15 30 ~ 10 ~ 15 min UNDER 5 CYCLES.								○	—
DAMP HEAT, CYCLIC	EXPOSED AT TO °C, TO % TOTAL CYCLES (h).				① CONTACT RESISTANCE: mΩ MAX. ② INSULATION RESISTANCE: MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				—	—
DRY HEAT	EXPOSED AT °C, h.				① CONTACT RESISTANCE: mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				—	—
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.				① CONTACT RESISTANCE: 55 mΩ MAX. ② NO HEAVY CORROSION.				○	—
HYDROGEN SULPHIDE	EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)								○	—
SULPHUR DIOXIDE	EXPOSED IN PPM FOR h. (TEST STANDARD: JEIDA-39)								—	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C FOR IMMERSION, DURATION, s. (TEST STANDARD: MIL-STD-202)				NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINAL.				—	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s. (TEST STANDARD: MIL-STD-202)				A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.				—	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to MIL-STD-1344.					<i>K. Tamematsu</i>	<i>K. Tamematsu</i>	<i>M. Yamaguchi</i>	<i>M. Yamaguchi</i>		
					95.09.30	95.09.30	95.09.30	95.09.30		
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test										
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO.		
								FX2B-60SA-1.27R		
CODE NO. (OLD)			DRAWING NO.			CODE NO.			1/1	
CL			ELC4-150614			CL 572-0625-3			1/1	

TO
PCM