

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICATION STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C			APPLICABLE CABLE	AWG # 28(JACKET: φ 0.58)			
	VOLTAGE	125 V AC							
	CURRENT	0.5 A							
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENT			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING			X	X
MARKING		CONFIRMED VISUALLY						X	X
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz)			45 mΩ MAX.			X	
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX. 1 mA (DC OR 1000 Hz)			55 mΩ MAX.			X	
INSULATION RESISTANCE		250 V DC			100 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. (IN THE UNLOCKED STATE)			INSERTION FORCE : 7.1N MAX WITHDRAWAL FORCE : 7.8N MIN			X	
MECHANICAL OPERATION		500 TIMES INSERTION AND EXTRACTIONS.			1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	
VIBRATION		FREQUENCY: 10 TO 55 Hz, AMPLITUDE: 1.52 mm. AT 2 h FOR 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 μS 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			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: 55 mΩ MAX. 2) INSULATION RESISTANCE: 100 MΩ MIN.			X	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+15~+35→ +85→+15~+35°C TIME 30→ 10~15 → 30 → 10~15 min. UNDER 5 CYCLES			3) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 55 mΩ MAX. 2) NO HEAVY CORROSION.			X	
HYDROGEN SULPHIDE		EXPOSED IN 3 PPM FOR 96 h. (TEST STANDARD: JEIDA-38)						X	
REMARKS									
				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				<i>H. Nakamura</i>	<i>H. Yamaguchi</i>	<i>H. Okawa</i>	<i>J. Yoshimura</i>		
				02.02.19	02.02.19	02.02.20	02.02.20		
UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344									
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. FX2BN1 - 80SA - 1.27R		
CODE NO. (OLD)		DRAWING NO.			CODE NO.			1	
CL		ELC4 - 152002			CL 572 - 0995 - 2			1	

FORM NO. 231-1



TO
PCK