

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 85 °C ⁽¹⁾	OPERATING HUMIDITY RANGE	40 % TO 80 %	
	VOLTAGE	100 V AC	APPLICABLE CABLE (AWG SIZE)	AWG 28 TO 30	
	CURRENT	0.5 A	APPLICABLE CABLE (OUTER DIAMETER)	△ φ 0.56 TO 0.72 mm	
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	20 mV MAX, 1 mA(DC OR 1000Hz)		60 mΩ MAX. ⁽²⁾	x	
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 80 mΩ MAX. ⁽²⁾ ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE : 1.5 mm, AT 2 h FOR 3 DIRECTION.		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	
PULL FORTH STRENGTH (CRIMP STRENGTH)	ONLY COREWIRE IS CRIMPED AND MEASURED.		AWG 28 : 10 N MIN. AWG 30 : 8 N MIN.	x	
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.		① CONTACT RESISTANCE: 80 mΩ MAX. ⁽²⁾ ② INSULATION RESISTANCE: 500 MΩ MIN.	x	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→+15~+35→+85→+15~+35°C TIME 30→ 2 ~3 → 30→ 2~3 min. UNDER 5 CYCLES.		③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION.	x	
SULFUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS-C-0090)			x	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△	1	DIS-F-002926	TH. SAN0	HT. YAMAGUCHI	08. 03. 24
REMARKS ⁽¹⁾ INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING. ⁽²⁾ INCLUDE CONDUCTOR RESISTANCE OF CABLE ASSEMBLED. CONNECTOR IS CABLE TYPE.(L=12mm)			APPROVED	HS. OKAWA	07. 03. 13
			CHECKED	EJ. WAKATSUKI	07. 03. 13
			DESIGNED	TH. NODA	07. 03. 12
			DRAWN	TH. NODA	07. 03. 12
Unless otherwise specified, refer to JIS-C-5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-156442-00	
HRS	SPECIFICATION SHEET		PART NO.	FX15-2830PCFB △	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL575-2002-0-00	△ 1/1