

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 30 TO 32
	CURRENT	0.5 A	APPLICABLE CABLE (OUTER DIAMETER)	φ 0.5 TO 0.6 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, SINGL AMPLITUDE : 0.75 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 30 : 8 N MIN. AWG 32 : 5 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. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	x	
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→+15~+35→+85→+15~+35°C TIME 30 → 2~3 → 30 → 2~3 min. UNDER 5 CYCLES.		x	
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	x	
SULFUR DIOXIDE	EXPOSED IN 25 PPM FOR 96 h. (TEST STANDARD: JIS C 60068)		x	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
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. 05. 29
		CHECKED	HT. YAMAGUCHI	07. 05. 29
		DESIGNED	EJ. WAKATSUKI	07. 05. 28
		DRAWN	EJ. WAKATSUKI	07. 05. 28
Unless otherwise specified, refer to JIS-C-5402.				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-156913-00	
	SPECIFICATION SHEET	PART NO.	FX15-3032PCFB	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL575-2003-3-00	1/1