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

TO
PCK

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				

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.	×	×		
MARKING	CONFIRMED VISUALLY.		×	×		
ELECTRIC CHARACTERISTICS						
CONTACT RESISTANCE	20 mV MAX. 1 mA (DC OR 1000Hz)	60 mΩ MAX. ⁽²⁾	×			
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 80 mΩ MAX. ⁽²⁾ ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS	×			
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.	×			
SHOCK	490 m/s ² , DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×			
PULL FORCE STRENGTH (CRIMP STRENGTH)	ONLY COREWIRE IS CRIMPED AND MEASURED.	AWG 30 : 8 N MIN. AWG 32 : 5 N MIN.	×			
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.	×			
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.	×			
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	×			
SULFUR DIOXIDE	EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JIS-C-0090)		×			
REMARKS ⁽¹⁾ INCLUDE TEMPERATURE RISE OF CURRENT CARRYING. ⁽²⁾ INCLUDE CONDUCTOR RESISTANCE OF CABLE ASSEMBLED. (L=12mm)						
		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		<i>K. Shibusawa</i>	<i>K. Shibusawa</i>	<i>H. Yamaguchi</i>	<i>H. Okawa</i>	
		05.02.01	05.02.01	05.02.01	05.02.01	
Unless otherwise specified, refer to JIS C 5402.						
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO.		
				FX15-3032PCFA		
CODE NO.(OLD)	DRAWING NO.	CODE NO.				
CL	ELC4 - 155324	CL 575-2001-8		1/1		

