

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

APPLICABLE STANDARD		TEST METHOD		REQUIREMENTS		QT	AT
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C (1)	OPERATING HUMIDITY RANGE	40 % TO 80 %			
	STORAGE TEMPERATURE RANGE	-10 °C TO 60 °C (2)	STORAGE HUMIDITY RANGE	40 % TO 70 % (2)			
	VOLTAGE	250 V AC	APPLICABLE CABLE (AWG SIZE)	AWG24 TO 28			
CURRENT	3 A	APPLICABLE CABLE (OUTER DIAMETER)	φ 0.7 TO 1.5mm				
SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS		QT	AT		
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.		×	×		
MARKING	CONFIRMED VISUALLY.			×	×		
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100 mA (DC or 1000 Hz).	15 mΩ MAX.		×	-		
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES	□ 0.635 ± 0.002mm BY STEEL GAUGE.	INSERTION FORCE: 3.43 N MAX. EXTRACTION FORCE: 0.56 N MIN.		×	-		
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 15 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×	-		
ENVIRONMENTAL CHARACTERISTICS							
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	① CONTACT RESISTANCE: 15 mΩ MAX. ② NO HEAVY CORROSION.		×	-		
OTHERS							
CRIMP STRENGTH		AWG28 : 15.6 N MIN.		×	-		
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE			
△							
REMARK (1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED. (2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED. Unless otherwise specified, refer to MIL-STD-202. Note QT:Qualification Test AT:Assurance Test X:Applicable Test							
APPROVED		HS. OKAWA		06.04.17			
CHECKED		HS. OZAWA		06.04.17			
DESIGNED		KY. NAKAMURA		06.04.17			
DRAWN		AK. SUZUKAWA		06.04.14			
DRAWING NO.		ELG4-016841-00					
PART NO.		HIF3-2428SCFA					
CODE NO.		CL562-0247-0-00					
SPECIFICATION SHEET							
HIROSE ELECTRIC CO., LTD.							
FORM HD00111-2-1							1/1