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

APPLICABLE STANDARD					
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)	φ0.7 TO 1.5mm	

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	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
△0					

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.

APPROVED	HS.OKAWA	06.04.17
CHECKED	HS.OZAWA	06.04.17
DESIGNED	KY.NAKAMURA	06.04.17
DRAWN	AK.SUZUKAWA	06.04.14

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-016841-00

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. HIF3-2428SCFA

CODE NO. CL562-0247-0-00 △0 1/1

FORM HD0011-2-1