

Sep. 1. 2021 Copyright 2021 HIROSE ELECTRIC CO., LTD. All Rights Reserved. In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

A COUNT	REVISIONS	BY	CHKD	DATE	A COUNT	REVISIONS	BY	CHKD	DATE
△					△				
△					△				

APPLICABLE STANDARD			
RATING	VOLTAGE	CONTACT No. — — —	AC — V DC — V
	CURRENT	CONTACT No. — — —	2 A
	POWER		
	SPECIALTY		
APPLICABLE CABLES		AWG # 26~30 (Insulation Dia 1 Max)	
IMPEDANCE FREQUENCY RANGE		— Ω (0 ~ — Hz)	
OPERATING TEMPERATURE RANGE		-25 °C ~ +85 °C	

### SPECIFICATIONS

No.	ITEM	CONDITIONS	TEST STANDARD	MIN	MAX	UNITS	QT	AT
1	DESIGN-MATERIAL-FINISH	ADC Applicable Std. and DC 3-21602		—	—	—	○	○
2	MARKING			—	—	—	○	○
3	INSULATION RESISTANCE	Must be over standard value at DC V.		—	—	MΩ	—	—
4	CONTACT RESISTANCE	The voltage drop must be under the Std. value at DC 1 A.		—	10	mΩ	○	—
	CONTACT	The voltage drop must be under the Std. value at DC A.		—	—	mΩ	—	—
5	DIELECTRIC WITHSTANDING VOLTAGE	Must keep the AC DC V for one minute.		—	—	—	—	—
6	V SWR	Must be under the Std. value at frequency ~ Hz.		—	—	—	—	—
7	INSERTION LOSS	Must be under the Std. value at frequency ~ Hz.		—	—	dB	—	—
8	LOW LEVEL CIRCUIT	The Contact Resistance must be under the Std. value at DC 20mV less and mA.		—	—	mΩ	—	—
9	CONTACT ENGAGEMENT AND SEPARATION FORCES	Must be suitable for the Std. gauge size value at applicable gauge.		—	—	gf	—	—
	MATING AND UNMATING FORCES	Must be suitable for the Std. value.		—	—	kgf	—	—
10	HUMIDITY	Insulation resistance must be over the Std. value at °C ~ %, hours.	at high humidity	—	—	MΩ	—	—
			after high humidity	—	—	MΩ	—	—
11	VIBRATION	Must have no damage, crack and looseness of parts at Frequency range ~ Hz, Total amplitude mm, G at hours for directions.		—	—	—	—	—
12	SHOCK	Must have no damage, crack and looseness of parts G at times for directions.		—	—	—	—	—
13	TEMPERATURE CYCLING	Must have no damage, crack and looseness of parts for ~ °C cycles.		—	—	—	—	—
14	DURABILITY	Must be less than the Std. value after 1000 times insertion and extraction at the condition described in above item No.4.	JIS C 5037	—	15	mΩ	○	—
	CONTACT			—	—	mΩ	—	—
15	SALT SPRAY (CORROSION)	Must not have heavy corrosion after 5 % salt water spray for 48 hours.	JIS C 5028	—	—	—	○	—
16	WATER PRESSURE WITHSTANDING	No leakage at depth m kof/cm <sup>2</sup> hours.		—	—	—	—	—
17	AIR PRESSURE WITHSTANDING	No leakage at pressure kof/cm <sup>2</sup> mmHg min sec		—	—	—	—	—
18	Crimped termination Conductor tensile Strength.	The only Conductor part of suitable cable shall be crimped with the wire, an extraction force is applied which is more than the standard.	AWG # 30 (7/0.1)	1	—	kgf	○	—
			AWG # 28 (7/0.12)	1.6				
			AWG # 26 (7/0.16)	2.4				

REMARKS	APPROVED	<i>M. Yoshida</i>	4-23-91	 HIROSE ELECTRIC CO., LTD.	ISSUED BY
	REVIEWED				
	CHECKED	<i>M. Sato</i>	4-23-91		
	DESIGNED	<i>M. Onodera</i>	4-16-91		
	DRAWN	<i>E. Kawamura</i>	4-12-91		
DRAWING No. SLC4-21602 — SPECIFICATION SHEET				PART No. HR10-PC-212	CODE No. CL110-0514-3-