

May.1.2023 Copyright 2023 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.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85 °C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C	
	VOLTAGE	150 V AC (DC)	APPLICABLE CABLE	UL1571:AWG26, 28	
	CURRENT	1 A			
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	20mV MAX , 1 m A (DC OR 1000 Hz).	30 mΩ MAX.	X	-	
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND EXTRACTION FORCES	□ 0.3 <sup>+0.005</sup> <sub>0</sub> mm BY STEEL GAUGE	INSERTION FORCE : 3.0 N MAX EXTRACTION FORCE : 0.15 N MIN			
MECHANICAL OPERATION	50 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-	
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-	
SHOCK	490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	-	
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5 TO 35→+85→ 5 TO 35 °C TIME 30→ 5 MAX → 30→ 5 MAX min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X	-	
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		X	-	
CORROSION,SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48h.	NO HEAVY CORROSION	X	-	
SULPHUR DIOXIDE	EXPOSED IN 10PPM FOR 96h.	NO HEAVY CORROSION	X	-	
REMARKS					
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT					
Unless otherwise specified, refer to JIS C 5402.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
			APPROVED	TY.OMA	06.07.22
			CHECKED	HK.UMEHARA	06.07.22
			DESIGNED	TS.KUMAZAWA	06.07.22
			DRAWN	TS.KUMAZAWA	06.07.22
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-160551-01	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	DF14-2628SCFA (90)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL538-0002-0-90	△ 1/1