




Aug. 1. 2024 Copyright 2024 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 (NOTE 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C (NOTE3)			
	OPERATING HUMIDITY RANGE	20 % TO 80 % (NOTE 2)	STORAGE HUMIDITY RANGE	40 % TO 70 % (NOTE3)			
	VOLTAGE	150 V AC/DC	CURRENT	1 A/pin			
	APPLICABLE CONNECTOR	DF13-*S-1.25C	APPLICABLE CONTACT	DF13(G)-2630SCF DF13-3032SCF			
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	100 m A (DC OR 1000 Hz).		30 mΩ MAX.			X	-
INSULATION RESISTANCE	100 V DC.		500 MΩ MIN.			X	-
VOLTAGE PROOF	500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.			X	-
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION	30 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 ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.					X	-
ENVIRONMENTAL CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 15 TO 35→+85→ 15 TO 35 °C TIME 30→ 2 TO 3→30→ 2 TO 3 min. UNDER 5 CYCLES.		1) CONTACT RESISTANCE: 30mΩ MAX. 2) INSULATION RESISTANCE: 500 MΩ MIN. 3) NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			X	-
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.					X	-
RESISTANCE TO SOLDERING HEAT	1) SOLDER BATH METHOD 250°C, FOR 10 sec. 2) MANUAL SOLDERING SOLDERING IRON TEMPERATURE :300°C, SOLDERING TIME : 3sec. NO STRENGTH ON CONTACT.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 240°C FOR INSERTION DURATION, 3sec.		SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSSED.			X	-
REMARKS							
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.							
NOTE2: NO CONDENSING.							
NOTE3: APPLY TO PACKED CONDITION.							
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
							
Unless otherwise specified, refer to IEC 60512.				APPROVED	SJ. OKAMURA	20211217	
				CHECKED	SZ. ONO	20211217	
				DESIGNED	HT. SATO	20211217	
				DRAWN	SK. CHIBA	20211217	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-083673-25-00		
	SPECIFICATION SHEET		PART NO.	DF13-*P-1. 25DSA (25)			
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL536		1/1	