

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

APPLICABLE STANDARD				STORAGE TEMPERATURE RANGE		-10°C TO +60°C	
RATING		OPERATING TEMPERATURE RANGE		-35°C TO +85°C (NOTES 1)			
VOLTAGE		30V AC		APPLICABLE CONNECTOR		DF36#-30S-0.4V	
CURRENT		AWG42 : 0.25A AWG44 : 0.2A (NOTES 2) AWG46 : 0.15A		APPLICABLE CABLE		THIN COAXIAL CABLE(AWG#42-46)	
SPECIFICATIONS							
ITEM	TEST METHOD			REQUIREMENTS			
CONSTRUCTION							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			
MARKING	CONFIRMED VISUALLY.						
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	100m A (DC OR 1000 Hz).			CONTACT:80mΩ MAX. SHIELDING:80mΩ MAX.		X	—
INSULATION RESISTANCE	100V DC.			50MΩ MIN.		X	—
VOLTAGE PROOF	100V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.		X	—
MECHANICAL CHARACTERISTICS							
MECHANICAL OPERATION	30TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. SHIELDING RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, 3 DIRECTIONS x 10 CYCLE.			① NO ELECTRICAL DISCONTINUITY OF 1 μS.		X	—
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.		X	—
ENVIRONMENTAL CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →+85 °C 30 → 30 min UNDER 5 CYCLES. (THE TRANSFERRING TIME OF THE CHAMBER IS 2-3 MINUTE.)			① CONTACT RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. SHIELDING RESISTANCE: NO VARIATION OF 50 mΩ OR MORE FROM INITIAL VALUE. ② INSULATION RESISTANCE: 25 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	—
SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY 48 h.			NO DEFECT SUCH AS CORROSION WHICH IMPAIRS THE FUNCTION OF CONNECTOR.		X	—
SULFUR DIOXIDE GAS	EXPOSED IN 10-15 PPM 96h.					X	—
RESISTANCE TO SOLDERING HEAT	①BONDING TEMPERATURE: 270°C MAX .5 sec MAX 200°C MIN .30 sec MAX ②MANUAL SOLDERING TEMPERATURE: 350°C, 3sec MAX.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 230°C FOR INSERTION DURATION, 3 sec.			SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMersed.		X	—
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED		DATE	
Δ							
REMARKS				APPROVED	MH. YAMANE	14. 05. 27	
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				CHECKED	MH. TSUCHIDA	14. 05. 27	
NOTE2: TEMPERATURE RISE OF CONNECTOR BODY ONLY, AND THAT OF CASE IS NOT INCLUDED.				DESIGNED	AH. MIYAZAKI	14. 05. 26	
Unless otherwise specified, refer to JIS C 5402, IEC60512.				DRAWN	AH. MIYAZAKI	14. 05. 26	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-315347-02			
HR5		SPECIFICATION SHEET		PART NO.		DF36-30P-0.4SD (55)	
HIROSE ELECTRIC CO., LTD.		CODE NO.		CL662-4018-3-55		Δ 1/1	