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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	-25 °C TO +85 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C	
	VOLTAGE	_____	WIRE SIZE	_____	
	CURRENT	_____	APPLICABLE CABLE	_____	
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	
MECHANICAL CHARACTERISTICS					
VIBRATION	FREQUENCY: 10 → 55 → 10 (Hz) (1CYC,5min), SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.	NO SEPERATION FROM APPLICABLE CONNECTOR.	X	-	
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s <sup>2</sup> DURATIONS OF PULSE 11 ms.	NO SEPERATION FROM APPLICABLE CONNECTOR.	X	-	
MECHANICAL OPERATION	100 TIMES INSERTIONS AND EXTRACTIONS.	PASS THE SEALING TEST.	X	-	
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ R/T <sup>(1)</sup> → +85 → R/T °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.	NO DAMAGE, CRACK OF PARTS.	X	-	
DRY HEAT	EXPOSED AT + 85 °C, 96 h.	NO DAMAGE, CRACK OF PARTS.	X	-	
COLD	EXPOSED AT - 55 °C, 96 h.	NO DAMAGE, CRACK OF PARTS.	X	-	
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.	NO DAMAGE, CRACK OF PARTS.	X	-	
SEALING <sup>(2)</sup>	EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.	NO WATER PENETRATION INSIDE CONNECTOR.	X	-	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
①					
REMARK			APPROVED	EJ. KUNII	16. 10. 03
NOTES(1) R/T : ROOM TEMPERATURE			CHECKED	EJ. KUNII	16. 10. 03
(2) SEALING AND AIRTIGHTNESS SHALL BE TESTED UNDER MATED CONDITION WITH AN APPLICABLE CONNECTOR.			DESIGNED	SJ. SHIMIZU	16. 09. 30
Unless otherwise specified, refer to IEC 60512(JIS C 5402).			DRAWN	SY. KONDO	16. 09. 30
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-119606-00-00
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	LF13WBR-C2	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL136-3011-0-00	△ 1/1