

APPLICABLE STANDARD		UL approved (E52653).				
RATING	OPERATING TEMPERATURE RANGE	-25°C TO +85°C		STORAGE TEMPERATURE RANGE	-25°C TO +85°C	
	VOLTAGE Δ	AC 125 V , DC 175 V AC 175 V , DC 175 V (UL)		WIRE SIZE	MAX AWG#20	
	CURRENT	5 A		APPLICABLE CABLE	$\phi 5 \pm 0.2$	
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	CONTACT SHALL BE MEASURED AT DC 1 A		15 m Ω MAX.		X	X
	CONTACT SHALL BE MEASURED AT DC — A		— m Ω MAX.		—	—
INSULATION RESISTANCE	500 V DC.		1000 M Ω MIN.		X	X
VOLTAGE PROOF	1250 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X	X
MECHANICAL CHARACTERISTICS						
CONTACT INSERTION AND WITHDRAWAL FORCES	— BY STEEL GAUGE.		INSERTION AND WITHDRAWAL FORCES : — N MIN.		—	—
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR WITHOUT LOCKING DEVICE.		INSERTION AND WITHDRAWAL FORCES : 25 N MAX.		X	—
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.		CONTACT RESISTANCE: 30 m Ω MAX.		X	—
			— RESISTANCE: — m Ω MAX.		—	—
VIBRATION	FREQUENCY 10 → 55 → 10 (Hz) (1CYC, 5min), SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 10 μ s. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	—
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DIMENSION AXIS FOR 3 TIMES AT 490 m/s ² DURATIONS OF PULSE 11 ms.		① NO ELECTRICAL DISCONTINUITY OF 10 μ s. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X	—
BREAKING STRENGTH	MAX 100 N SHALL BE APPLIED TO CABLE IN UP AND DOWN, LEFT AND RIGHT DIRECTIONS WHEN MATED.		NO BREAKAGE MAX 100 N.		X	—
ENVIRONMENTAL CHARACTERISTICS						
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.		① INSULATION RESISTANCE: 10 M Ω MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 100 M Ω MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → R/T ⁽¹⁾ → +85 → R/T °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.		① INSULATION RESISTANCE: 100 M Ω MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION RUIN THE FUNCTION. Δ		X	—
DRY HEAT	EXPOSED AT +85 °C , 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
COLD	EXPOSED AT -55 °C , 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, +350 \pm 10 °C, FOR IMMERSION DURATION, 5 \pm 1 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	—
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, +350 \pm 10 °C FOR IMMERSION DURATION, 2 TO 3 s.		SOLDER SURFACE TO BE FREE FROM PIN-HOLE. NO WETTING AND OTHER DEFECTS.		X	—
SEALING	EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.		NO WATER PENETRATION INSIDE CONNECTOR.		X	—
AIR TIGHTNESS	APPLY AIR PRESSURE 17.6 kPa FOR 0.5 min TO INSIDE CONNECTOR.		NO AIR BUBBLES INSIDE CONNECTOR.		X	X
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
Δ	3	DIS-C-00003656	KN. IKEHARA	HN. TANAKA	20191114	
REMARK			APPROVED	MR. YOSHIDA	20050105	
NOTE(1) R/T : ROOM TEMPERATURE			CHECKED	MO. SATOH	20050105	
			DESIGNED	YH. YAMADA	20050105	
Unless otherwise specified, refer to IEC 60512.(JIS C 5402) Δ			DRAWN	YH. YAMADA	20050105	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-114150-00		
HRS	SPECIFICATION SHEET		PART NO.	LF07WBJ-3P		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL136-2003-8-00	Δ	1/1