APPLICAB	LE STANDA	RD							
RATING	OPERATING TEMPERATURE RANGE VOLTAGE		-25 °C TO +85 °C STOF RANG AC 30 V , DC 42 V -		TORAGE TEI Ange	IPERATURE	-10 °C TO +60	°C	
								-	
	CURRENT	2 A AP			PPLICABLE	CABLE		-	
			SPECIFI	CATIO	NS				
TI	EM		TEST METHOD			REG	UIREMENTS	QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			Х	Х
MARKING		CONFIRMED VISUALLY.						Х	Х
ELECTRIC	CHARACTE	RISTICS							
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A 30 mΩ MAX.						Х	Х
		CONTACT SHALL BE MEASURED AT DC A				— mΩ MAX.			-
INSULATION RESISTANCE		100 V DC.			1000 MΩ MIN.			Х	Х
VOLTAGE PROOF			V AC FOR 1 min.	NO FLAS	NO FLASHOVER OR BREAKDOWN.			Х	
MECHANIC	CAL CHARA	CTERIST	ICS					_	
CONTACT INSERTION AND WITHDRAWAL FORCES		BY STEEL GAUGE.			INSERTI	INSERTION AND WITHDRAWAL FORCES : N MIN.			-
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR LOCKING DEVICE WITH LOCK.			INSERTI	INSERTION AND WITHDRAWAL FORCES : 50 N MAX.			
MECHANICAL OPERATION VIBRATION SHOCK BREAKING STRENGTH		1000 TIMES INSERTIONS AND EXTRACTIONS.			CONTACT	CONTACT RESISTANCE: 60 mΩ MAX.			- 1
						RESISTANCE: mΩ MAX.			_
		FREQUENCY 10 TO 55 Hz(1CYC, 5min), SINGLE				 NO ELECTRICAL DISCONTINUITY OF 10 μs. 			_
		AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS			2 NO D	② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			
		IN OPPOSITE DIRECTIONS OF EACH 3 DIMENSION ALAXIS FOR				(1) NO ELECTRICAL DISCONTINUITY OF 10 $\mu s.$			-
		3 TIMES A	3 TIMES AT 490 m/s ² DURATION OF PULSE 11 ms.			② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			
		MAX 30N SHALL BE APPLIED TP CABLE IN UP AND DOWN,			NO BREA	NO BREAKAGE OF CONNECTOR.			-
			RIGHT DIRECTIONS WHEN MATED						
	IENTAL CH	1			-			х	<u> </u>
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 96 h.			(AT	 ① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE:100 MΩ MIN (AT DRY). 			-
					-	(3) NO DAMAGE. CRACK AND LOOSENESS OF PARTS.			
RAPID CHANGE OF TEMPERATURE		TEMPERATURE $-55 \rightarrow R/T^{(1)} \rightarrow +85 \rightarrow R/T^{\circ}C$			-	 The paintage of the constraints in the constraints of th			1_
		TIME 30 \rightarrow 10 T0 15 \rightarrow 30 \rightarrow 10 T0 15 min UNDER 5 CYCLES.			Ŭ	② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.			
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAV	NO HEAVY CORROSION.			- 1
DRY HEAT		EXPOSED AT + 85 °C , 96 h.			NO DAMA	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			1_
COLD		EXPOSED AT - 55 °C , 96 h.			NO DAMA	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			-
RESISTANCE TO SOLDERING		SOLDER TEMPERATURE, + 380 \pm 10 $^{\circ}$ C , FOR IMMERSION			NO DEFO	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS			
HEAT		DURATION, 3_0^{+1} s.			OF THE	OF THE TERMINALS.			-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, + 350 \pm 10 °C FOR			SOLDER SURFACE TO BE FREE FROM PIN-HOLE, NO			x	
		IMMERSION DURATION, 2 TO 3 s.			WETTING	WETTING AND OTHER DEFECTS.			_
SEALING ⁽²⁾		EXPOSED AT A DEPTH OF 1m FOR 0.5 h.			NO WATE	NO WATER PENETRATION INSIDE CONNECTOR.			
AIRTIGHTNESS	(2)	APPLY AIR CONNECTOR	PRESSURE 17.6 kPa FOR 0.5min TO	INSIDE	NO AIR	BUBBLES INSII	DE CONNECTOR	Х	_
COUN	T DI	ESCRIPTIC	ON OF REVISIONS	DES	SIGNED		CHECKED	DA	\TE
Ø									
REMARK						APPROVE	D HY. KOBAYASHI	18.0	03.16
NOTES(1) R/	T : ROOM TEMP	ERATURE				CHECKED HY. KOBAYASHI			03.16
(2) SEA	LING AND AIR	IGHTNESS SHALL BE TESTED BY APPLCIABLE CONNECTO			TOR.				03.16
								1	
Unless oth	nerwise spe	cified, re	fer to IEC 60512.(JIS C 54	102)		DRAWN	DS. MATSUNE	18.0	03.16
Note QT:Q	ualification Te	st AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-113454-31-00		
		SPECIFICATION SHEET			RT NO.	HR30-7R-12PD (31)			1
	HIP	IOSE EI	ECTRIC CO., LTD.	COI	DE NO.	CI 13	30-1017-9-31	⚠	1/1

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