APPLICAB	LE STANDA	RD							
RATING	OPERATING TEMPERATURE RANGE VOLTAGE		−25 °C T0 +85 °	-	STORAGE TEN RANGE	IPERATURE	-10 °C TO +60	°C	
			AC 30 V, DC 42 V					-	
	CURRENT	2 A APPL				CABLE		-	
			SPECIF	ICATIO	ONS				
רו	ΓEM		TEST METHOD			REG	UIREMENTS	QT	A
CONSTRU	CTION								
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDI	ACCORDING TO DRAWING.)
MARKING		CONFIRMED VISUALLY.)
ELECTRIC	CHARACTE	RISTICS							-
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A 30 mΩ MAX.						Х	2
_		CONTACT SHALL BE MEASURED AT DC A				mΩ MAX.			-
INSULATION RESISTANCE		100 V DC.			1000	1000 MΩ MIN.)
VOLTAGE PROOF		300 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			Х)
MECHANI	CAL CHARA	CTERIST	ICS						
CONTACT INSERTION AND WITHDRAWAL FORCES		BY STEEL GAUGE.			INSERTIO	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.			-
						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 DAMAGE, CRACK AND LOOSENESS, OF PARTS.			
		IN OPPOSITE DIRECTIONS OF EACH 3 DIMENSION ALAXIS FOR				① NO ELECTRICAL DISCONTINUITY OF 10 μs.			-
		3 TIMES AT 490 m/s ² DURATION OF PULSE 11 ms.			② NO D/	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						
ENVIRON	MENTAL CH	ARACTER	RISTICS						
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 96 h.			(AT	 ① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ② UNAU LION DEGLETANCE 100 NO. NO. (11 DDV) 			-
					-	(2) INSULATION RESISTANCE: 100 M Ω MIN (AT DRY). (3) NO DAMAGE. CRACK AND LOOSENESS OF PARTS.			
RAPID CHANGE OF TEMPERATURE		TEMPERATURE $-55 \rightarrow R/T^{(1)} \rightarrow +85 \rightarrow R/T^{\circ}C$			~	① INSULATION RESISTANCE: 100 MΩMIN.			
		TIME 30 \rightarrow 10 TO 15 \rightarrow 30 \rightarrow 10 TO 15 min UNDER 5 CYCLES.			0	 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.			-
DRY HEAT		EXPOSED AT + 85 $^{\circ}$ C , 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			-
COLD		EXPOSED AT - 55 ℃ , 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			-
RESISTANCE TO SOLDERING		SOLDER TEMPERATURE, + 380 \pm 10 °C , FOR IMMERSION			NO DEFO	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS			
HEAT		DURATION, 3^{+1}_{0} 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			-
SEALING ⁽²⁾		IMMERSION DURATION, 2 TO 3 s.				WETTING AND OTHER DEFECTS.			+
AIRTIGHTNESS ⁽²⁾		EXPOSED AT A DEPTH OF 1m FOR 0.5 h. APPLY AIR PRESSURE 17.6 kPa FOR 0.5min TO INSIDE				NO WATER PENETRATION INSIDE CONNECTOR. NO AIR BUBBLES INSIDE CONNECTOR			-
AIRIIGHINESS	(2)	CONNECTOR		JINSIDE	NU AIR I	SUBBLES INSI	DE CUNNECTUR	Х	-
COUN			ON OF REVISIONS	וח	ESIGNED		CHECKED		٩ΤΕ
				DI			CHECKED		
Ø							-		
REMARK			APPROVED HY. KOBAYASHI					18.0	03.1
	T: ROOM TEMP	∶KATURE FIGHTNESS SHALL BE TESTED BY APPLCIABLE CONNECTO			OTOP	CHECKED HY. KOBAYASHI			03.1 03.1
(Z) SEA	LING AND AIK	1 TOTTINE 99	TATTALOG OTALE DE TEOTED DI ATTEOTADEL CONNECTOR				R. DESIGNED DS. MATSUNE		
l Inless off	nerwise sne	cified ro	fer to IEC 60512 (IIS C 5	402)		DRAWN	DS. MATSUNE	18.0	03.1
		cified, refer to IEC 60512.(JIS C 5402)					1	0	
		Fest AT:Assurance Test X:Applicable Test SPECIFICATION SHEET			DRAWING NO. PART NO.		ELC-113454-31-00 HR30-7R-12PD (31)		
RS		-							
	HIR	OSE EI	_ECTRIC CO., LTD.	C	ODE NO.	CL13	30-1017-9-31	⚠	1/

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