APPLICA	BLE S	TANDARD										
RATING	OPERATING TEMPERATU		−25 °C TO +85	STOF RANG		MPERATURE	-10	°C TO +	-60 °C			
	VOLTAG	E	AC 30 V , DC 42 V					_				
	CURREN	T	2 A APPLICABLE CABLE									
			SPEC	CIFICA	MOIT	S						
ITE CONSTRU			TEST METHOD				REQUIREMENTS QT A					
		lyroun Ly	AND DV MEAGURING INCIDENT			1000DD1	NO TO DRAWI	10		Х	Х	
GENERAL EXAMI	NATION		VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.					
MARKING	OLIAD	l .	CONFIRMED VISUALLY.									
	•	ACTERISTICS	1							X		
CONTACT RESISTANCE			CONTACT SHALL BE MEASURED AT DC 1 A				15 mΩ MAX.				X	
INSULATION RESISTANCE			100 V DC.				1000 MΩ MIN.				X	
VOLTAGE PROOF MECHANICAL CHAF			300 V AC. FOR 1 min.				NO FLASHOVER OR BREAKDOWN.				X	
-											1	
CONTACT INSERTION AND WITHDRAWAL FORCES			BY STEEL GAUGE.				INSERTION AND WITHDRAWAL FORCES : — N MIN.				_	
CONNECTOR INSERTION AND		ND MEASURED BY A	MEASURED BY APPLICABLE CONNECTOR.				INSERTION AND WITHDRAWAL FORCES					
WITHDRAWAL FORCES							LOCKING DEVICE WITH UNLOCK : - N MAX.				_	
							LOCKING DEVICE WITH LOCK : 50 N MAX.					
MECHANICAL OF	PERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.				CONTACT RESISTANCE: 30 mΩ MAX.				_	
VIBRATION			FREQUENCY: $10 \rightarrow 55 \rightarrow 10 \text{ (Hz) (1CYC, 5min)},$				①NO ELECTRICAL DISCONTINUITY OF 10 μs.				_	
			SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.				②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.					
SHOCK		-	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES				① NO ELECTRICAL DISCONTINUITY OF 10 μs.					
	(0)		FOR 6 DIRECTIONS.				② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.					
BREAKING STRE	NGTH (3)		MAX 30N SHALL BE APPLIED TO CABLE IN UP AND DOWN,				NO BREAKAGE MAX 30N.				_	
	4ENITA		HT DIRECTIONS WHEN MATED.									
-	VIENTA	L CHARACTE				@ INOU	LATION DEGL	OT INOT : 10 H			1	
DAMP HEAT (STEADY STATE)		EXPOSED AT 40	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.			_		STANCE: 10 MS	5 MIN			
							(AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 100 ΜΩ MIN (AT DRY).				_	
						_		AND LOOSENESS	,	7.		
RAPID CHANGE	0F	TEMPERATURE	TEMPERATURE $-55 \rightarrow R/T^{(1)} \rightarrow +85 \rightarrow R/T ^{\circ}C$					STANCE: 100 MS				
TEMPERATURE			TIME 30 \rightarrow 10 TO 15 \rightarrow 30 \rightarrow 10 TO 15 min				② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.				_	
TEIM ENTITIONE			UNDER 5 CYCLES.									
CORROSION SAL	T MIST	EXPOSED IN 5	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.				NO HEAVY CORROSION RUINS THE FUNCTION.				_	
DRY HEAT		EXPOSED AT +	EXPOSED AT + 85 °C , 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				_	
COLD		EXPOSED AT -	EXPOSED AT - 55 °C , 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				_	
			SOLDER TEMPERATURE, + 350±10°C, FOR SOLDERING			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS				5 X	_	
HEAT SOLDERABILITY			DURATION, 3 TO 4 s. SOLDERED AT SOLDER TEMPERATURE, + 350±10°C FOR			OF THE TERMINALS. WETTING ON SOLDER SURFACE, NO SOLDER CLUSTER.				X		
		SOLDERING DUF	SOLDERING DURATION, 2 TO 3 s.								-	
SEALING		EXPOSED AT A	EXPOSED AT A DEPTH OF 1 m FOR 0.5 h.				NO WATER PENETRATION INSIDE CONNECTOR.				_	
AIRTIGHTNESS		APPLY AIR PRE	APPLY AIR PRESSURE 17.6kPa FOR 0.5min TO INSIDE CONNECTOR.			NO AIR BUBBLES INSIDE CONNECTOR.				X	_	
			N OF REVISIONS DESIG			GNED CHECKED			D/	ATE		
0								T				
REMARK	NOTE (1) R/T : ROOM TEM	T/T : ROOM TEMPERATURE			APPROV		ED HY. K	OBAYASHI	18. 02. 26		
			pecified, refer to IEC 60512(JIS C5402).				CHECKE	D HY. K	OBAYASHI	18. 02. 26		
							DESIGNED		MATSUNE	18. 02. 24		
I Inless oth	nerwie <i>i</i>	specified re					DRAWN		ISHIYAMA	18. 02. 22		
			,			l .			ELC-113453-31-0			
	uamical		Test AT:Assurance Test X:Applicable Test			DRAWING NO.			HR30-7R-12P (31)			
HS			SPECIFICATION SHEET						1		4 /4	
		HIKOSE E	IROSE ELECTRIC CO., LTD.			NO.	CL130-1016-6-31			Δ	1/1	