APPLICAB	LE ST	ANDAF	RD									
OPERATING		TING				RAGE TE	MPERATUR	E	-10 °C TO +60	°C		
RATING	TEMPERATURE RANGE		RANGE			RANG	RANGE					
	VOLTAGE			AC 30 V , DC 42 V		-						
	CURRE	NT		2 A			.ICABLE	CABLE			_	
		1		SPEC	CIFICA	TION	S					1
	ГЕМ			TEST METHOD				R	EQU	IREMENTS	QT	AT
CONSTRU	ICTION	1	Ī				1				1 1/	1
GENERAL EXAMINATION			VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				X	X
MARKING			CONFIRMED VISUALLY.								Х	Х
ELECTRIC CHARACTE							15	O MAY			X	Х
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A CONTACT SHALL BE MEASURED AT DC — A				15 mΩ MAX. — mΩ MAX.				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
INSULATION RESISTANCE		100 V DC.				1000 MΩ MIN.				X	X	
						NO FLASHOVER OR BREAKDOWN.				X	X	
VOLTAGE PROOF MECHANICAL CHARAC		HARAC						HUVER UK I	DREANL	JOWIN.	1 ^	<u> </u>
				. 003 BY STEEL GAUGE.			INSERTI	ON AND WI	THDRAW	WAL FORCES : 0.4 N MIN.	Х	1_
CONTACT INSERTION AND WITHDRAWAL FORCES		\$ 4. 50 ± 0. 700 DT STELL UNDUL.				INSERTION AND WITHDRAWAL FORCES . U. 4 N WIN.						
CONNECTOR INSERTION AND			MEASURED BY APPLICABLE CONNECTOR.				INSERTION AND WITHDRAWAL FORCES				Х	_
WITHDRAWAL FORCES							LOCKING DEVICE WITH LOCK : 50 N MAX.					
MECHANICAL OPERATION			1000 TIMES INSERTIONS AND EXTRACTIONS.				CONTACT RESISTANCE: 30 $m\Omega$ MAX.				Х	_
								RESISTANO	CE: —	mΩ MAX.	1_	_
VIBRATION		FREQUENCY 10 TO 55 Hz (1CYC, 5min), SINGLE AMPLITUDE				① NO ELECTRICAL DISCONTINUITY OF 10 μs.				Х	_	
			0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS				② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.					
SHOCK		IN OPPOSITE DIRECTIONS OF EACH 3 DIMENSION ALAXIS				① NO ELECTRICAL DISCONTINUITY OF 10 $\mu s.$				Х	_	
			·				② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.					
BREAKING STRENGTH			·				NO BREA	KAGE OF CO	ONNECT	ΓOR.	Х	_
ENI/IRONI	MENITA	AL CHA		RIGHT DIRECTIONS WHEN MATED								
ENVIRONMENTAL CHA DAMP HEAT (STEADY STATE)			EXPOSED AT 40 °C, 90 TO 95 %, 96 h.				① INCH	I ATION RE	MT212	NCE: 10 MΩ MIN	Х	Ι
							(AT HIGH HUMIDITY). ② INSULATION RESISTANCE:100 MΩ MIN (AT DRY).					
		③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.										
			TEMPERATURE $-55 \rightarrow R/T^{(1)} \rightarrow +85 \rightarrow R/T^{\circ}C$				① INSULATION RESISTANCE: 100 MΩMIN.				Х	_
			TIME 30 \rightarrow 10 TO 15 \rightarrow 30 \rightarrow 10 TO 15 min				② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.					
			UNDER 5 CYCLES.									
CORROSION SALT MIST			EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.				NO HEAVY CORROSIN RUIN THE FUNCTION.				Х	_
DRY HEAT			EXPOSED AT + 85 °C , 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				X	_
COLD RESISTANCE TO SOLDERING						NO DAMAGE, CRACK AND LOOSENESS OF PARTS. NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS				X	_	
RESISTANCE TO SULDERING HEAT			DURATION, 3_0^+ s.				OF THE TERMINALS.				Х	_
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, + 350 \pm 10 $^{\circ}$ C FOR IMMERSION DURATION, 2 TO 3 s.				WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.				Х	_	
SEALING (2)			EXPOSED AT A DEPTH OF 1m FOR 0.5 h.				NO WATER PENETRATION INSIDE CONNECTOR.				Х	_
AIRTIGHTNESS (2)			APPLY AIR PRESSURE 17.6 kPa FOR 0.5min TO INSIDE				NO AIR BUBBLES INSIDE CONNECTOR				Х	_
			CONNECTOR					•				
COUN	1T	DE	SCRIPTIO	ON OF REVISIONS		DESIG	SNED			CHECKED	DA	TE
0												
REMARK					1			APPRO	VED	HY. KOBAYASHI	18. 0	3. 16
NOTES(1) R/T:ROOM TEMPE (2)SEALING AND AIRT			ERATURE FIGHTNESS SHALL BE TESTED BY APPLCIABLE CONNECTOR			CHECKED			HY. KOBAYASHI		3. 16	
									DS. MATSUNE			
						DRAWN		/N	DS. MATSUNE 1		3. 16	
Unless otl	<u>herwis</u>	e spec	ified, refer to IEC 60512.(JIS C 5402)									
Note QT:C	Qualifica	tion Tes				RAWING NO.			ELC-113486-31-00			
11/			PECIFICATION SHEET			PART		HR30-8R-12S (31)			. •	-
						CODE	NO.	CL130-1018-1-31		Δ	1/1	
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