APPLICA	BLE STAN	DARD	VDE 0627 MIL-C-5015 CON	JEORMI	TY TUV	annrov	ed(R935	1324)	UL approved(E52653)		
OPERATING			VDE 0627, MIL-C-5015 CONFORMITY, TUV approved(R9351324), UL approved(E52653) −40 °C T0 +125 °C STORAGE TEMPERATURE −10 °C T0 +60							°C	
RATING	TEMPERATURE RANGE		RANGE								
	VOLTAGE		AC 250 V, DC 250 V (POLUTION DEGREE 3, OVER VOLTAGE CATEGORY III)								
			AC 500 V, DC 500 V (POLUTION DEGREE 2, OVER VOLTAGE CATEGORY II)								
			46 A ⁽¹⁾ (WIRE SIZE : 8 mm ²)		PROT	ECTION	DEGREE		IP67		
		35 A (WIRE SIZE : 5.5 mm ²)			APPL	PLICABLE CABLE φ13.0 TO 15.9 m			mm		
			23 A (WIRE SIZE : 3.5 mm ²) —								
			SPECI	IFIC/	OIT/	NS					
ITEM		TEST METHOD			REQUIREMENTS				QT	АТ	
CONSTR	RUCTION					•					•
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				X	X
MARKING		CONFIRMED VISUALLY.			X					TX	
ELECTRIC CHARA										1	1
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A. (MIL-C-2316)				1 mΩ MAX.				X	X
CONTACT INLST	STANUL								$\frac{1}{X}$	$\frac{1}{X}$	
			BETWEEN D-CONTACT TO SHELL SHALL BE MEASURED AT DC				100 mΩ MAX.				^
INSULATION R	ESISTANCE	500 V DC. (MIL-STD-1344 3003)			5000 MΩ MIN.				X	X	
TEMPERATURE RISE		APPLY CURRENT OF 46 A TO CONTACTS. (DIN VDE 0627			TEMPERATURE CONSTANCY SHALL BE WITHIN 8 HOURS.				X		
		6, 27)				TEMPERATURE RISE SHALL BE 1 K/h MAX.				X	-
VOLTAGE PROO	 F		V AC. FOR 1 min. (MIL-STD-1	344 3001)		HOVER OR		·	Х	X
MECHAN	NICAL CHA	RACTI	ERISTICS							1	'
CONTACT INSE		1	$581_0^{+0.003}$ by steel gauge.			INSERTI	ON AND WI	THDRA	WAL FORCES : 1.4 N MIN.	X	Τ_
WITHDRAWAL F		ψ 3.	SOI					111010	mile i onoco i i i i i i i i i i i i i i i i i i		
CONNECTOR IN		MEASURED	BY APPLICABLE CONNECTOR.			INSERTION AND WITHDRAWAL FORCES				T	
WITHDRAWAL F	ORCES	MEROSIES ST MILETONICE COMMESTICAL			LOCKING DEVICE WITH UNLOOK : 88 N MAX.				X	-	
CONTACT RETENTION FORCE		APPLY 20 N PULL FORCE FROM TERMINATION			NO CONTACT DISPLACEMENT.				X		
		SIDE. (DIN41640)								-	
IMPACT INTENSITY D		DROP FROM	DROP FROM THE HEIGHT OF 750 mm FOR 8 TIMES WITH			NO DEFACE OR MECHANICAL DAMAGE.				X	l _
		CABLE AND CABLE CLAMP. (DIN 41640)							ļ , ,		
MECHANICAL O	PERATION	500 TIMES INSERTIONS AND EXTRACTIONS.			CONTACT RESISTANCE: 1.5 mΩ MAX.				X	_	
			(MIL-C-5015 4, 6, 12, 2)			D-CONTACT-SHELL RESISTANCE: 100 mΩ MAX.				X	_
VIBRATION	VIDDATION					① NO ELECTRICAL DISCONTINUITY OF 10 μs.					╁
VIDRATION		98 m/s ² AT 3 h, FOR 3 DIRECTIONS.			② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.				X	-	
		30 III/ 3 A				NO DAMAGE, GRACK AND LOUSENESS OF FARTS.					
SHOCK		(MIL-STD-1344 2005, CONDITION II) 490 m/s ² DURATIONS OF PULSE 11 ms AT 3 TIMES				① NO ELECTRICAL DISCONTINUITY OF 10 μs.					+
onook		FOR 3 DIRECTIONS. (MIL-STD-1344 2004, CONDITION E)				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				X	l _
ENVIROI	NMENTAL		ACTERISTICS	01, 001101	11011 27	E 110 D	rimriae, on		THE ESCOLUTION OF THE TOTAL	1 ^	
DAMP HEAT	I VIVILIN I AL	1		1 6 10		① INCH	LATION DE	C10T4	NCE: EO MO MIN		Т
(STEADY STATE)		EXPOSED AT 71°C, 95%, 336h. (MIL-C-5015 4, 6, 10)			① INSULATION RESISTANCE: 50 MΩ MIN. (AT HIGH HUMIDITY).				X	-	
						(A) HIGH HOWIDITY). (2) INSULATION RESISTANCE: 500 M Ω MIN. (AT				_	
						DRY).					
						③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
						NO DAMAGE, STROKE AND ESSENCESS OF FARTS. NO HEAVY CORROSION.					
RAPID CHANGE OF		TEMPERATU	TEMPERATURE $-55 \rightarrow R/T^{(2)} \rightarrow +125 \rightarrow R/T ^{\circ}C$			(1) INCHIATION DECISTANCE: 5000 MO MIN					
TEMPERATURE			TIME 30 \rightarrow 10 TO 15 \rightarrow 30 \rightarrow 10 TO 15 min			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				X	-
			YCLES. (MIL-C-5015 4, 6, 4)								
COUN	IT DI	SCRIPTI	ON OF REVISIONS		DESIG	SNED CHECKED				DA	ATE
0											
REMARK			I		APPROVED		VFD	SU. OBARA	10 1	11.08	
	ATED CURRENT IS	THE MAXIMUM CURRENT PER CONTACT.			CHECKED			HY, KISHI	10.11.08		
		CITY OF WHOLE IS CONNECTOR 138 A MAX.			DESIGNED			YS. SAKODA	10.11.08		
	: ROOM TEMPERAT					DRAWN				10.11.08	
Unless otherwise specified,							VIN			ι I . Uδ	
Note QT:Qualification Test AT:Ass			urance Test X:Applicable Test D		RAWING NO.			ELC4-113362-73			
		PECIFI	ICATION SHEET PA		PART	PART NO.		H/MS08A22-22S-DT12I		(73)	
		OSE E	ELECTRIC CO., LTD.		CODE NO.		CL120-0477-6-73			Δ	1/2
							_120 07/1 0 10 Z			1	

	SPECI	IFICATIO	NS					
ITEM	TEST METHOD			R	REQUIREMENTS			
ENVIRONMENTAL	CHARACTERISTICS							
SEAL I NG (8)	EXPOSED AT A DEPTH OF 1 m FOR 0.5 h. ((JIS B 6015)	NO WATE	R PENETRA	ATION I	NSIDE CONNECTOR.	X	_
AIRTIGHTNESS(3)	APPLY AIR PRESSURE 40 kPa FOR 30 SEC CONNECTOR.	TO INSIDE	NO AIR BUBBLES FROM CONNECTOR INTERFACE.				Х	-
CORROSION, SULPHUR DIOXIDE®	EXPOSED IN SO ₂ : 670ppm 40 °C FOR 8 h. EXPOSED IN SO ₂ : 670 ppm 18 TO 28 °C F		NO HEAVY CORROSION RUIN THE FUNCTION.					_
OIL RESISTING ⁽³⁾	DROP CUTTING OIL FOR 48 HOURS AT THE		NO OIL	SEEPAGE I	NSIDE	CONNECTOR.	Х	_
RESISTANCE TO DUST®	DUST CIRCULATION FOR 2 h. (IEC 529, 7, 6)			NO DUST SEEPAGE INSIDE CONNECTOR.				†_
RESISTANCE TO SOLDERING HEAT.	SOLDERED TEMPERATURE, +400 °C, FOR SOLDERING DURATION, 5±1 s. (IEC 68-2-20)			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.				
SOLDERABILITY	.10			WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.				
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 4 (MIL-STD-1344 1001, CONDITION B)	l8 h.	NO HEAV	Y CORROSI	ON.		Х	-
COUNT	ESCRIPTION OF REVISIONS	DESIG	ZNED.			CHECKED		,TE
<u>O</u>	ESCRIPTION OF REVISIONS	DESIG	3INED	+		CHECKED	DA	\ L
REMARK (3) TESTED BY APPLICABLE CONNECTOR.			APPROVED SU. OBARA CHECKED HY. KISHI DESIGNED YS. SAKODA DRAWN YS. SAKODA			10. 11. 08 10. 11. 08 10. 11. 08 10. 11. 08		
Unless otherwise specified, refer to JIS C 5402. Note QT:Qualification Test AT:Assurance Test X:Applicable Test						ELC4-113362	1	1, 00
	SPECIFICATION SHEET			H/MS08A22-22S-DT12D (73)				
HIR	HIROSE ELECTRIC CO., LTD.			CL120-0477-6-73				2/2