APPLICA	BLE STANI	DARD	VDE 0627 MIL C 5015 CO.	NEODMI	 TV TIN	annrove	ed(D035	1324\			
	ODERATING		VDE 0627, MIL-C-5015 CONFORMITY, TUV approved(R9351324) -40 °C TO +125 °C STORAGE TEMPERATURE -10 °C TO +60						°C		
RATING	OPERATING TEMPERATURE RANGE VOLTAGE		RANGE								
			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)								
	CURRENT		13 1			TECTION DEGREE IP67					
						LICABLE CABLE					
		_	SPEC	<u>IFIC/</u>	<u> </u>	<u>NS</u>					
	ГЕМ		TEST METHOD				F	REQUI	REMENTS	QT	A٦
CONSTR	RUCTION										
GENERAL EXAM	INATION	VISUALLY	AND BY MEASURING INSTRUMENT.	•		ACCORDI	NG TO DR	AWING.		Х	X
MARKING		CONFIRMED	VISUALLY.							X	X
ELECTR	IC CHARA	CTERIS	STICS								
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A. (MIL-C-2316) 3 mΩ MAX.						X	X		
		BETWEEN D-CONTACT TO SHELL SHALL BE MEASURED AT DC				100 mΩ MAX.				Х	X
INSULATION RESISTANCE			500 V DC. (MIL-STD-1344 3003)			500	0 MΩM	IN.		X	†x
TEMPERATURE RISE VOLTAGE PROOF		APPLY CURRENT OF 23 A TO CONTACTS. (DIN VDE 0627			TEMPERA	TURE CON	STANCY	SHALL BE WITHIN 8 HOURS.	\ \ \		
		6, 27)							. BE 1 K/h MAX.	X	-
						NO FLAS	HOVER OR	BREAKE	OOWN.	Х	X
MECHAN	NICAL CHA	RACTE	RISTICS							•	•
CONTACT INSERTION AND		$\phi 2.362_0^{+0.003}$ By steel gauge.			INSERTION AND WITHDRAWAL FORCES : 0.84 N MIN.				X	-	
WITHDRAWAL F		WELGUIDED DV ADDI LOADI E COMMENTO			INCEDEL	ON AND M	LTUDDAM	(AL FORCES		+	
CONNECTOR IN: WITHDRAWAL F		MEASURED BY APPLICABLE CONNECTOR.				INSERTION AND WITHDRAWAL FORCES				X	-
		ADDLY OO N. DILL FORCE FROM TERMINATION			LOCKING DEVICE WITH UNLOOK : 50 N MAX.					-	
CONTACT RETENTION FORCE		APPLY 20 N PULL FORCE FROM TERMINATION SIDE. (DIN41640)				NO CONTACT DISPLACEMENT.				X	_
IMPACT INTENSITY		DROP FROM THE HEIGHT OF 750 mm FOR 8 TIMES WITH CABLE AND CABLE CLAMP. (DIN 41640)			NO DEFACE OR MECHANICAL DAMAGE.				X		
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.			CONTACT RESISTANCE: 4.5 mΩ MAX.				X	T_	
		(MIL-C-5015 4, 6, 12, 2)				D-CONTACT-SHELL RESISTANCE: 100 mΩ MAX.					
VIBRATION		FREQUENCY: 10 TO 500 Hz, SINGLE AMPLITUDE 0.75 mm,			① NO ELECTRICAL DISCONTINUITY OF 10 μs.						
		98 m/s ² AT 3 h, FOR 3 DIRECTIONS.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
			(MIL-STD-1344 20	005, COND I	TION II)						
SHOCK			490 m/s ² DURATIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS, (MIL-STD-1344 2004, CONDITION E)				① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
FNVIROI			ACTERISTICS	70 1, 001101		5	, , , , , , , , , , , , , , , , , , ,		D 2000211200 01 17111101	X	1
	4IVILIA I / (L	1		E 4 6 10)		① INCH	LATION D	CICTAN	ICE: EO MO MIN	T	Т
DAMP HEAT (STEADY STATE)		EXPOSED AT 71°C, 95%, 336h. (MIL-C-5015 4, 6, 10)			① INSULATION RESISTANCE: 50 MΩ MIN. (AT HIGH HUMIDITY).					-	
						(AT ITSMITTOMITETTY). (2) INSULATION RESISTANCE: 500 M Ω MIN. (AT DRY).					
						③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.④ NO HEAVY CORROSION.					
RAPID CHANGE	0F	TEMPERATURE $-55 \rightarrow R/T^{(2)} \rightarrow +125 \rightarrow R/T$ °C				① INSULATION RESISTANCE: 5000 MΩ MIN.					
TEMPERATURE		TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES. (MIL-C-5015 4, 6, 4)			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
COUN	T DE	SCRIPTION	ON OF REVISIONS		DESIG	NED			CHECKED		ΥΤΕ
02											
REMARK		THE MAXIMUM CURRENT PER CONTACT. CITY OF WHOLE IS CONNECTOR 69 A MAX.			APPROVED CHECKED DESIGNED			SU. OBARA		11.0	
								HY. KISHI	10. 11. 0		
								YS. SAKODA			
	: ROOM TEMPERAT nerwise spe					DRAWN				YS. SAKODA 10. 10	
Unless otherwise specified, refer to JIS C 5402. Note QT:Qualification Test AT:Assurance Test X:Applicable				st	DR		RAWING NO.		ELC4-114017	-	
		PECIFICATION SHEET			PART NO.		H/MS08A18-10S-DT10D1 (73)
HS.		HIROSE ELECTRIC CO., LTD.									1/2
FORM HDOOLL 2 1		OOL LLLGTRIG GO., LTD.			CODE NO.		CL120-0481-3-73				1/2

	SPECI	IFICATIO	NS						
ITEM	TEST METHOD			R	REQUIREMENTS			АТ	
ENVIRONMENTAL	CHARACTERISTICS								
SEAL I NG (3)	EXPOSED AT A DEPTH OF 1 m FOR 0.5 h. ((JIS B 6015)	NO WATE	R PENETRA	TION II	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 ⁽³⁾	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.				Х	-	
OIL RESISTING ⁽³⁾	DROP CUTTING OIL FOR 48 HOURS AT THE (JIS B 6015)		NO OIL SEEPAGE INSIDE CONNECTOR.					-	
RESISTANCE TO DUST ⁽³⁾	DUST CIRCULATION FOR 2 h. (IEC 529, 7, 6)			NO DUST SEEPAGE INSIDE CONNECTOR.					
RESISTANCE TO SOLDERING HEAT.	SOLDERED TEMPERATURE, +380±10°C, FOR SOLDERING DURATION, 10±1 s. (IEC 68-2-20)			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.					
SOLDERABILITY				WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.					
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. (MIL-STD-1344 1001, CONDITION B)			Y CORROSI			X	-	
	SCRIPTION OF REVISIONS DES		GNED			CHECKED		ATE	
REMARK (3) TESTED BY APPLICABLE CONNECTOR.			APPROVED SU. OBARA CHECKED HY. KISHI DESIGNED YS. SAKODA		10. 11. 04 10. 11. 04 10. 10. 29 10. 10. 29				
Unless otherwise specified, refer to JIS C 5402. Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWN DRAWING NO.			YS. SAKODA ELC4-114017	1	U, 29	
	SPECIFICATION SHEET			H/MS08A18-10S-DT10D1 (73))	
HIR	HIROSE ELECTRIC CO., LTD.			CL120-0481-3-73				2/2	