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 In case that the application demands a high level of reliability, such as automotive,
 please contact a company representative for further information.


APPLICABLE STANDARD		EN 61984, TUV approved(R9351324)		
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	AC 200 V, DC 200 V		
	CURRENT	13 A ⁽¹⁾	APPLICABLE CABLE	
SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A. (MIL-C-2316)	5 mΩ MAX.	X	X
	BETWEEN C-CONTACT TO SHELL SHALL BE MEASURED AT DC 1A.	100 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC. (MIL-STD-1344 3003)	5000 MΩ MIN.	X	X
TEMPERATURE RISE	TEMPERATURE CONSTANCY SHALL BE WITHIN 8 HOURS WHEN APPLYING CURRENT OF 13 A. (EN 61984, 73, 4)	TEMPERATURE RISE SHALL BE 1 K/h MAX.	X	-
VOLTAGE PROOF	2250 V AC. FOR 1 min. (MIL-STD-1344 3001)	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS				
CONTACT INSERTION AND WITHDRAWAL FORCES	BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : — N MIN.	-	-
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 39 N MAX. LOCKING DEVICE WITH LOOK : — N MAX.	X	-
CONTACT RETENTION FORCE	APPLY 20 N PULL FORCE FROM TERMINATION SIDE. (DIN41640)	NO CONTACT DISPLACEMENT.	X	-
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS. (MIL-C-5015 4, 6, 12, 2)	CONTACT RESISTANCE: 7.5 mΩ MAX.	X	-
		D: CONTACT-SHELL RESISTANCE: 100 mΩ MAX.	X	-
VIBRATION	FREQUENCY: 10 TO 500 Hz, SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 3 h, FOR 3 DIRECTIONS. (MIL-STD-1344 2005, CONDITION II)	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
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.	X	-
ENVIRONMENTAL CHARACTERISTICS				
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). ② INSULATION RESISTANCE: 500 MΩ MIN. (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ④ NO HEAVY CORROSION.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → R/T ⁽²⁾ → +125 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES. (MIL-C-5015 4, 6, 4)	① INSULATION RESISTANCE: 5000 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
CORROSION, SULPHUR DIOXIDE	EXPOSED IN SO ₂ : 670 ppm 40°C FOR 8h. EXPOSED IN SO ₂ : 670 ppm 18 TO 28°C FOR 16h. (DIN 50018)	NO HEAVY CORROSION.	X	-
SEALING	EXPOSED AT A DEPTH OF 1 m FOR 0.5 h. (JIS B 6015)	NO WATER PENETRATION INSIDE CONNECTOR.	X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0				
REMARK		APPROVED	SU. OBARA	10.02.16
NOTE(1) 13A RATED CURRENT IS THE MAXIMUM CURRENT PER CONTACT. BUT THE CURRENT CAPACITY OF WHOLE IS CONNECTOR 26 A MAX.		CHECKED	HY. KISHI	10.02.16
NOTE(2) R/T : ROOM TEMPERATURE		DESIGNED	TH. KAMEYA	10.02.16
Unless otherwise specified, refer to JIS C 5402.		DRAWN	YS. SAKODA	10.02.13
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.		ELC4-110223-73
SPECIFICATION SHEET		PART NO.	H/MS3102A10SL-3P-C-T (73)	



FORM HD0011-2-1

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL CHARACTERISTICS				
AIRTIGHTNESS	APPLY AIR PRESSURE 40 kPa FOR 30 SEC TO INSIDE CONNECTOR.	NO AIR BUBBLES FROM CONNECTOR INTERFACE.	X	-
RESISTANCE TO DUST	REFER TO IEC 529, 7, 6.	NO DUST SEEPAGE INSIDE CONNECTOR.	X	-
OIL RESISTING	DROP CUTTING OIL FOR 48 HOURS AT THE RATE OF 0.5/EVERY HOUR. (JIS B 6015)	NO OIL SEEPAGE INSIDE CONNECTOR.	X	-
RESISTANCE TO SOLDERING HEAT.	SOLDERED TEMPERATURE, $+380\pm 10^{\circ}\text{C}$, FOR SOLDERING DURATION, 5 ± 1 s. (IEC 68-2-20)	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	-
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, $+350^{\circ}\text{C}\pm 10^{\circ}\text{C}$ FOR SOLDERING DURATION, 5 ± 1 s. (IEC 68-2-20)	WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.	X	-

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0				
REMARK			APPROVED	SU. OBARA
			CHECKED	HY. KISHI
			DESIGNED	TH. KAMEYA
			DRAWN	YS. SAKODA
Unless otherwise specified, refer to JIS C 5402.				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-110223-73	
HRS	SPECIFICATION SHEET	PART NO.	H/MS3102A10SL-3P-C-T (73)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL120-0231-6-73	 2/2

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