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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		MIL-C-5015 COMPLYING					
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C		
	VOLTAGE	AC 500 V , DC 700 V					
	CURRENT	23 A ⁽²⁾		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)		3 mΩ MAX.		X	X
INSULATION RESISTANCE		500 V DC. (MIL-STD-1344 3003)		5000 MΩ MIN.		X	X
VOLTAGE PROOF		2000 V AC. FOR 1 min. (MIL-STD-1344 3001)		NO FLASHOVER OR BREAKDOWN.		X	X
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND WITHDRAWAL FORCES		φ2.362 ^{+0.003} ₀ BY STEEL GAUGE		INSERTION AND WITHDRAWAL FORCES : 0.9 N MIN.		X	-
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 50 N MAX. LOCKING DEVICE WITH LOCK : - N MAX.		X	-
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS. (MIL-C-5015 4, 6, 12, 2)		CONTACT RESISTANCE: 4.5 mΩ MAX.		X	-
VIBRATION		FREQUENCY: 10 TO 500 Hz, SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 3h, 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 DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. (MIL-STD-1344 2004 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 %, 336 h. (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 EXCESSIVE CORROSION WHICH, MAY HINDER THE FUNCTIONS, IS ALLOWED.		X	-
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → R/T ⁽¹⁾ → +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	-
SEALING		EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.		NO WATER PENETRATION INSIDE CONNECTOR.		X	-
AIRTIGHTNESS		APPLY AIR PRESSURE 40 kPa FOR 30 SEC TO INSIDE CONNECTOR.		NO AIR BUBBLES FROM CONNECTOR INTERFACE.		X	-
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. (MIL-STD-1344 1001 B)		NO HEAVY CORROSION RUIN THE FUNCTION.		X	-
OIL RESISTING		DROP CUTTING OIL FOR 48 HOURS AT THE RATE OF 0.5ℓ EVERY HOUR. (JIS B 6015)		NO OIL SEEPAGE INSIDE CONNECTOR.		X	-
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, +380±10°C ,FOR IMMERSION DURATION, 10±1 s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X	-
SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE, +350±10°C FOR IMMERSION DURATION, 10±1 s.		WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.		X	-
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE	
	0						
REMARK				APPROVED	MO. SATOH	08.08.27	
NOTES(1) R/T : ROOM TEMPERATURE				CHECKED	HY. KOBAYASHI	08.08.27	
(2) 23 A RATED CURRENT IS THE MAXIMUM CURRENT FLOW PER CONTACT. BUT THE CURRENT CAPACITY OF WHOLE IS CONNECTOR 76.2 A MAX.				DESIGNED	MM. ISHII	08.08.26	
Unless otherwise specified, refer to JIS C 5402.				DRAWN	MM. ISHII	08.08.26	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-048960-76	
HRS		SPECIFICATION SHEET		PART NO.	H/MS3106A18-10S (76)		
		HIROSE ELECTRIC CO., LTD.		CODE NO.	CL120-0605-4-76	△	1/1