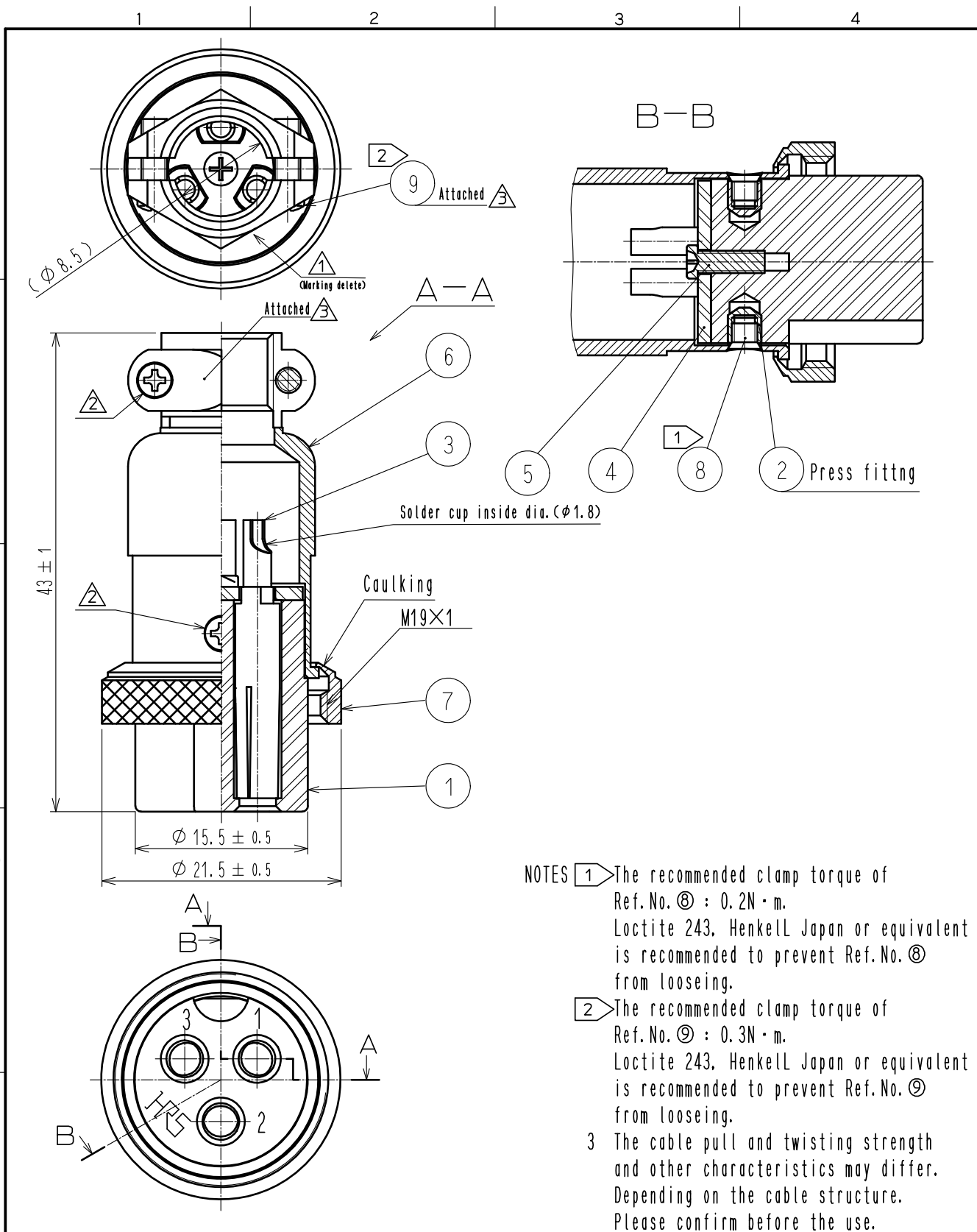


APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	AC 350 V , DC 500 V			
	CURRENT	7 A		APPLICABLE CABLE	φ8.5
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.			X X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		CONTACT SHALL BE MEASURED AT DC 1 A		5 mΩ MAX.	X X
INSULATION RESISTANCE		500 V DC.		1000 MΩ MIN.	X X
VOLTAGE PROOF		1000 V AC. FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X X
MECHANICAL CHARACTERISTICS					
CONTACT INSERTION AND WITHDRAWAL FORCES		φ 2.970 ⁰ _{-0.003} BY STEEL GAUGE.		INSERTION AND WITHDRAWAL FORCES : 1.5 N MIN	X -
CONNECTOR INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 40 N MAX.	X -
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.		CONTACT RESISTANCE: 5 mΩ MAX.	X -
VIBRATION		FREQUENCY : 10 → 55 → 10 (Hz) , SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X -
SHOCK		IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s ² DURATIONS OF PULSE 11 ms.		① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X -
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 TO 95 %, 96 h.		① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 100 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X -
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→ R/T ⁽¹⁾ → +85 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.		① INSULATION RESISTANCE: 1000 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X -
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION RUIN THE FUNCTION.	X -
DRY HEAT		EXPOSED AT + 85 °C , 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X -
COLD		EXPOSED AT - 55 °C , 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X -
RESISTANCE TO SOLDERING HEAT		SOLDERED AT SOLDERING IRON BIT TEMPERATURE +380±10°C FOR 3 ⁺¹ ₀ s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X -
SOLDERABILITY		SOLDERED AT SOLDERING IRON BIT TEMPERATURE +350±10°C FOR 2 TO 3 s.		WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.	X -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	1	DIS-C-00000966	HY. KISHI	HY. KOBAYASHI	16.05.14
REMARK				APPROVED	HY. KOBAYASHI 15.10.28
NOTE (1) R/T : ROOM TEMPERATURE.				CHECKED	HY. KOBAYASHI 15.10.28
Unless otherwise specified, refer to JIS C 5402. (IEC60512)				DESIGNED	HY. KISHI 15.10.28
				DRAWN	HY. KISHI 15.10.28
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-119230-00-00
	SPECIFICATION SHEET		PART NO.	HS16PA-3	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL101-0604-0-00	1/1



- NOTES
- 1 The recommended clamp torque of Ref.No. ⑧ : 0.2N · m.
Loctite 243, Henkell Japan or equivalent is recommended to prevent Ref.No. ⑧ from looseing.
 - 2 The recommended clamp torque of Ref.No. ⑨ : 0.3N · m.
Loctite 243, Henkell Japan or equivalent is recommended to prevent Ref.No. ⑨ from looseing.
 - 3 The cable pull and twisting strength and other characteristics may differ. Depending on the cable structure. Please confirm before the use.

5		Nickel plating			
4	Phenol	(Natural/Brown)	9	Steel	Nickel plating
3	Brass	Nickel plating 0.8μm min.	8	Steel	Nickel plating
2	Brass	Nickel plating	7	Brass	Nickel plating
1	PPS	Black (UL94V-0)	6	Brass	Nickel plating
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
UNITS mm		SCALE 2 : 1	COUNT 2	DESCRIPTION OF REVISIONS DIS-C-00000643	DESIGNED HY. KISHI
					CHECKED HY. KOBAYASHI
					DATE 15.12.08
APPROVED : HY. KOBAYASHI 15.10.28			DRAWING NO. EDC-119230-00-00		
CHECKED : HY. KOBAYASHI 15.10.28			PART NO. HS16PA-3		
DESIGNED : HY. KISHI 15.10.28			CODE NO. CL101-0604-0-00		
DRAWN : HY. KISHI 15.10.28					