APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO +125 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
	VOLTAGE	———	———	———
	CURRENT	———	APPLICABLE CABLE	φ23±0.5

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
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ R/T(1) → +125 → R/T °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.	NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X	–
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.	NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	X	–
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSIN RUIN THE FUNCTION.	X	–
SEALING (2)	EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.	NO WATER PENETRATION INSIDE CONNECTOR.	X	–
AIRTIGHTNESS(2)	APPLY AIR PRESSURE 17.6 kPa FOR 0.5min TO INSIDE CONNECTOR.	NO AIR BUBBLES INSIDE CONNECTOR.	X	–

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
⚠					

REMARK

NOTES (1)R/T:ROOM TEMPERATURE

(2)SEALING AND AIRTIGHTNESS SHALL BE TESTED BY APPLICABLE CONNECTOR AND CABLE.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	SU. OBARA	09. 10. 20
CHECKED	HY. KOBAYASHI	09. 10. 19
DESIGNED	HS. NAGANO	09. 10. 19
DRAWN	HS. NAGANO	09. 10. 19

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-115589-00

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. EM35WCC-23

CODE NO. CL138-0007-0-00 ⚠1 1/1

FORM HD0011-2-1

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +125°C	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	AC 250 V , DC 250 V	—	—
	CURRENT	—	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 —	— mΩ MAX.	—	—
INSULATION RESISTANCE	500 V DC.	5000 MΩ MIN.	X	X
VOLTAGE PROOF	2210 V AC. FOR 1 min.	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 :100 N MAX.	X	—
CONTACT RETENTION FORCE	PULL A TERMINAL BY 50N FROM TERMINAL AREA.	DO NOT MOVE THE TERMINAL.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: — mΩ MAX.	—	—
VIBRATION	FREQUENCY: 10 → 55 → 10 (Hz) (1CYC,5min), SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s^2 DURACTIONS OF PULSE 11 ms.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ R/T(1) → +125 → R/T ℃ TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 5000 MΩ MIN.. ② NO DAMAGE.CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 TO 95 %, 96 h.	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.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSIN RUIN THE FUNCTION.	X	—
SEALING	EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.	NO WATER PENETRATION INSIDE CONNECTOR.	X	—
AIR TIGHTNESS	APPLY AIR PRESSURE 17.6kPa FOR 0.5min TO INSIDE CONNECTOR.	NO AIR BUBBLES INSIDE CONNECTOR.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Ø					

REMARK

NOTE(1) R/T : ROOM TEMPERATURE

(2) ABOVE SPECIFICATIONS SHOWS THE VALUES IN ASSEMBLED CONDITION WITH APPLICABLE CRIMP CONTACTS.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	SU. OBARA	09. 10. 05
CHECKED	HY. KOBAYASHI	09. 10. 05
DESIGNED	HS. NAGANO	09. 10. 02
DRAWN	HS. NAGANO	09. 10. 02

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-115596-00

HRS

SPECIFICATION SHEET

HIROSE ELECTRIC CO., LTD.

PART NO. EM35WBP-4SC

CODE NO. CL138-0008-3-00 Ⓐ 1/1

FORM HD0011-2-1

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +125°C	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	AC 250 V , DC 250 V	—	—
	CURRENT	—	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 —	— mΩ MAX.	—	—
	BETWEEN GROUND CONTACT TO SHELL SHALL BE MEASURED AT DC 1A.	100 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.	5000 MΩ MIN.	X	X
VOLTAGE PROOF	2210 V AC. FOR 1 min.	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 :100 N MAX.	X	—
CONTACT RETENTION FORCE	PULL A TERMINAL BY 50N FROM TERMINAL AREA.	DO NOT MOVE THE TERMINAL.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: — mΩ MAX.	—	—
		GROUND CONTACT TO SHELL RESISTANCE: 100 mΩ MAX.	X	—
VIBRATION	FREQUENCY: 10 → 55 → 10 (Hz) (1CYC,5min), SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s² DURACTIONS OF PULSE 11 ms.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ R/T(1) → +125 → R/T ℃ TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 5000 MΩ MIN.. ② NO DAMAGE.CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 TO 95 %, 96 h.	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.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSIN RUIN THE FUNCTION.	X	—
SEALING	EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.	NO WATER PENETRATION INSIDE CONNECTOR.	X	—
AIR TIGHTNESS	APPLY AIR PRESSURE 17.6kPa FOR 0.5min TO INSIDE CONNECTOR.	NO AIR BUBBLES INSIDE CONNECTOR.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
A					

REMARK

NOTES (1) R/T : ROOM TEMPERATURE

(2) ABOVE SPECIFICATIONS SHOWS THE VALUES IN ASSEMBLED CONDITION WITH APPLICABLE CRIMP CONTACTS.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	SU. OBARA	09. 10. 20
CHECKED	HY. KOBAYASHI	09. 10. 19
DESIGNED	HS. NAGANO	09. 10. 19
DRAWN	HS. NAGANO	09. 10. 19

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-115597-00

HRS	SPECIFICATION SHEET	PART NO.	EM35WBR-4PC	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL138-0009-6-00	A 1/1

参考図：ご確認用。正式には別途納入仕様書をご請求願います。

2010/03/25 20:23:04 SRoper

FORM HD0011-2-1

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +125°C	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	AC 250 V , DC 250 V	—	—
	CURRENT	—	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 —	— mΩ MAX.	—	—
INSULATION RESISTANCE	500 V DC.	5000 MΩ MIN.	X	X
VOLTAGE PROOF	2210 V AC. FOR 1 min.	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 :100 N MAX.	X	—
CONTACT RETENTION FORCE	PULL A TERMINAL BY 50N FROM TERMINAL AREA.	DO NOT MOVE THE TERMINAL.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: — mΩ MAX.	—	—
VIBRATION	FREQUENCY: 10 → 55 → 10 (Hz) (1CYC,5min), SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s^2 DURACTIONS OF PULSE 11 ms.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ R/T(1) → +125 → R/T ℃ TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 5000 MΩ MIN.. ② NO DAMAGE.CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 TO 95 %, 96 h.	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.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSIN RUIN THE FUNCTION.	X	—
SEALING	EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.	NO WATER PENETRATION INSIDE CONNECTOR.	X	—
AIR TIGHTNESS	APPLY AIR PRESSURE 17.6kPa FOR 0.5min TO INSIDE CONNECTOR.	NO AIR BUBBLES INSIDE CONNECTOR.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
Δ					

REMARK

NOTE(1) R/T : ROOM TEMPERATURE

(2) ABOVE SPECIFICATIONS SHOWS THE VALUES IN ASSEMBLED CONDITION WITH APPLICABLE CRIMP CONTACTS.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	SU. OBARA	09. 10. 05
CHECKED	HY. KOBAYASHI	09. 10. 05
DESIGNED	HS. NAGANO	09. 10. 02
DRAWN	HS. NAGANO	09. 10. 02

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-115774-00

HRS	SPECIFICATION SHEET	PART NO.	EM35WBP-4PC	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL138-0013-3-00 Δ1	1/ 1

FORM HD0011-2-1

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +125°C	STORAGE TEMPERATURE RANGE	-10°C TO +60°C
	VOLTAGE	AC 250 V , DC 250 V	—	—
	CURRENT	—	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 —	— mΩ MAX.	—	—
	BETWEEN GROUND CONTACT TO SHELL SHALL BE MEASURED AT DC 1A.	100 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.	5000 MΩ MIN.	X	X
VOLTAGE PROOF	2210 V AC. FOR 1 min.	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 :100 N MAX.	X	—
CONTACT RETENTION FORCE	PULL A TERMINAL BY 50N FROM TERMINAL AREA.	DO NOT MOVE THE TERMINAL.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	CONTACT RESISTANCE: — mΩ MAX.	—	—
		GROUND CONTACT TO SHELL RESISTANCE: 100 mΩ MAX.	X	—
VIBRATION	FREQUENCY: 10 → 55 → 10 (Hz) (1CYC,5min), SINGLE AMPLITUDE 0.75 mm, AT 10 CYC, FOR 3 DIRECTIONS.	①NO ELECTRICAL DISCONTINUITY OF 10 μs. ②NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s² DURACTIONS OF PULSE 11 ms.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ R/T(1) → +125 → R/T ℃ TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES.	① INSULATION RESISTANCE: 5000 MΩ MIN.. ② NO DAMAGE.CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 ℃, 90 TO 95 %, 96 h.	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.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSIN RUIN THE FUNCTION.	X	—
SEALING	EXPOSED AT A DEPTH OF 1.8 m FOR 48 h.	NO WATER PENETRATION INSIDE CONNECTOR.	X	—
AIR TIGHTNESS	APPLY AIR PRESSURE 17.6kPa FOR 0.5min TO INSIDE CONNECTOR.	NO AIR BUBBLES INSIDE CONNECTOR.	X	—

	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
A					

REMARK

NOTES (1) R/T : ROOM TEMPERATURE

(2) ABOVE SPECIFICATIONS SHOWS THE VALUES IN ASSEMBLED CONDITION WITH APPLICABLE CRIMP CONTACTS.

Unless otherwise specified, refer to JIS C 5402.

APPROVED	SU. OBARA	09. 10. 20
CHECKED	HY. KOBAYASHI	09. 10. 19
DESIGNED	HS. NAGANO	09. 10. 19
DRAWN	HS. NAGANO	09. 10. 19

Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO. ELC4-115775-00

HRS	SPECIFICATION SHEET	PART NO.	EM35WBR-4SC	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL138-0014-6-00	A 1/1

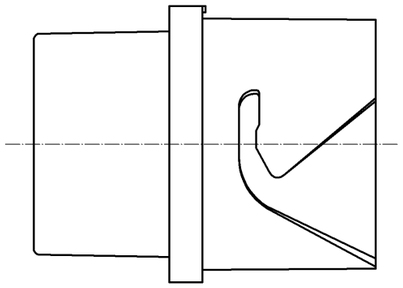
参考図：ご確認用。正式には別途納入仕様書をご請求願います。

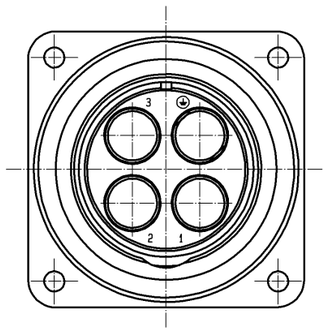
2010/03/25 20:23:05 SRoper

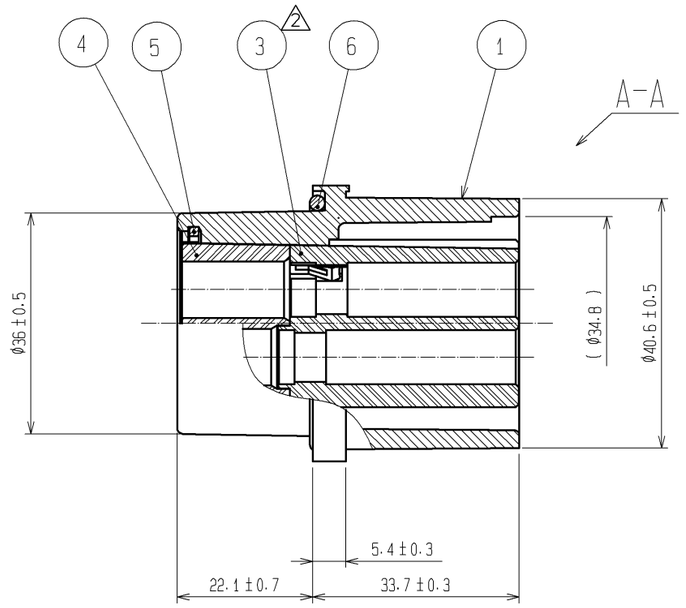
FORM HD0011-2-1

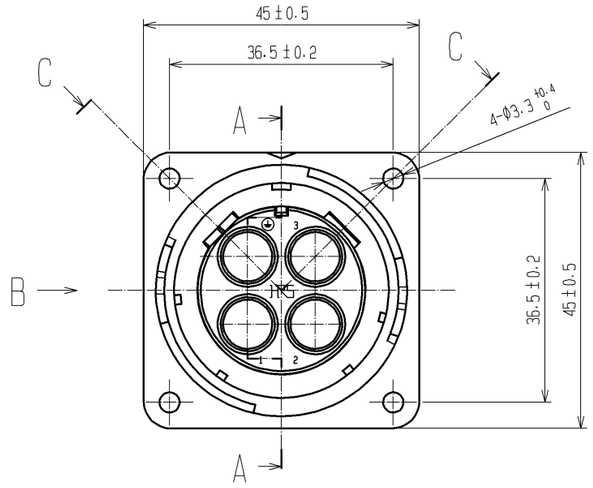
2010/03/25 20:23:06 SRoper

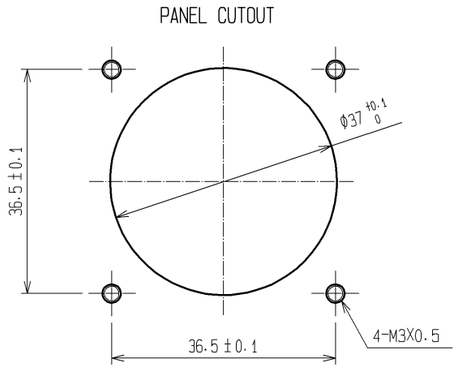
参考図：ご確認用。正式には別途納入仕様書をご請求願います。

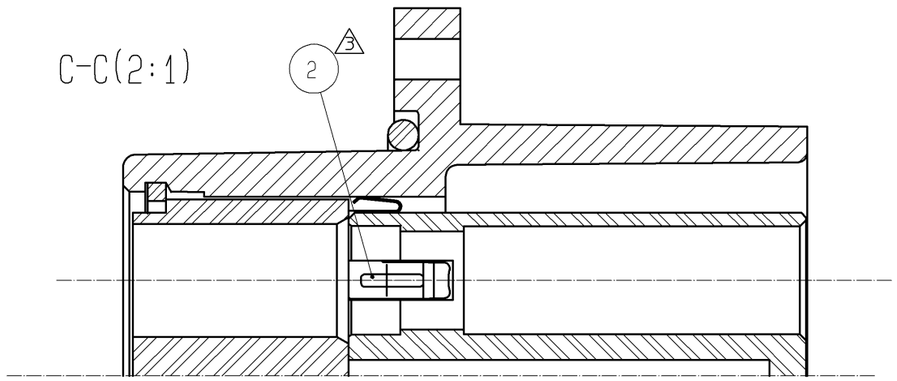












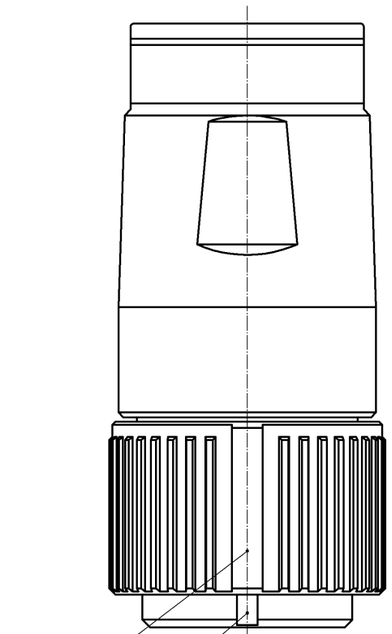
NOTES △4 1 APPLICABLE CRIMPING CONTACT:EM-SC-133(CL138-0018-7)
2 APPLICABLE CRIMP CONTACT EXTRACTION TOOL:EM-8-TP(CL150-0249-3)
3 THE ASSEMBLY OF THIS PRDUCT APPLIES TO THE MANUAL ATAD-C0155.
4 CHECK REF NO.⑥ IS PRPPERLY SET AT THE GROOVE OF REF.NO.①.
WHILE MOUNTING THE CONNECTOR, MAKE SURE THAT REF No.⑥ IS NOT CAUGHT.

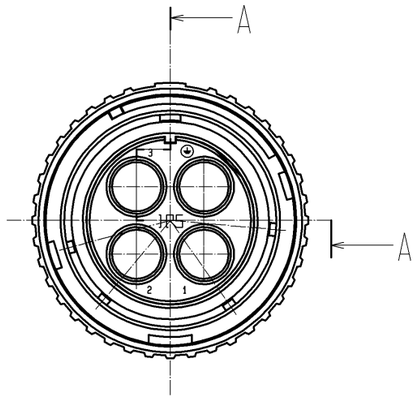
NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
3	PBT	(BLACK) UL94V-0	6	SILICONE RUBBER	(RED)
△1 2	COPPER ALLOY	TIN PLATING	5	STAINLESS STEEL	
1	ALUMINUM ALLOY	NICKEL PLATING	4	PBT	(BLACK) UL94V-0

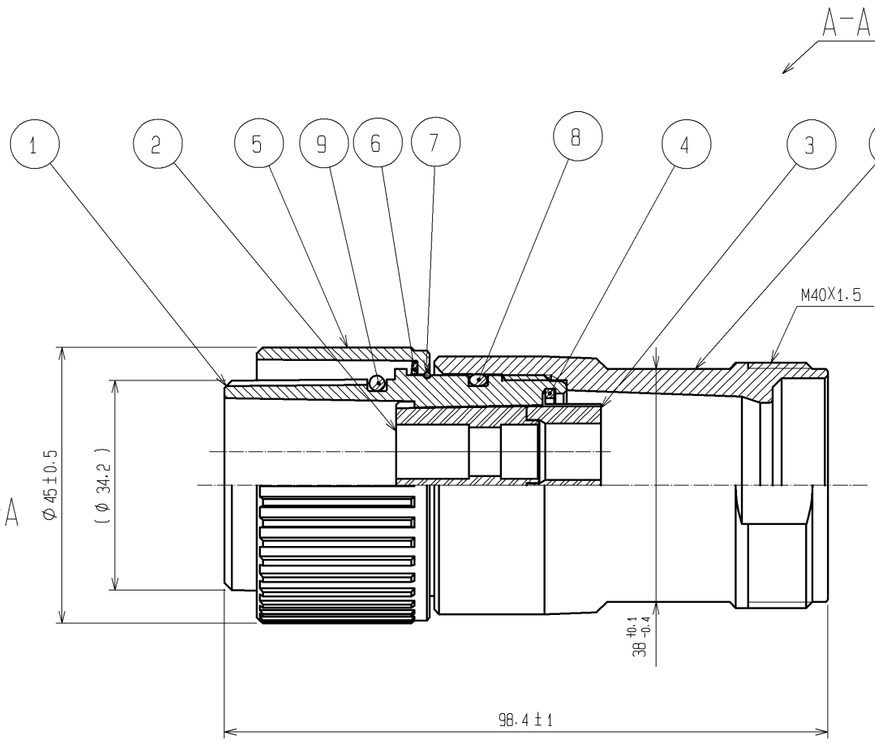
UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	1 : 1	△4	1	DIS-C-001430	HS. NAGANO	HY. KOBAYASHI	09. 10. 05

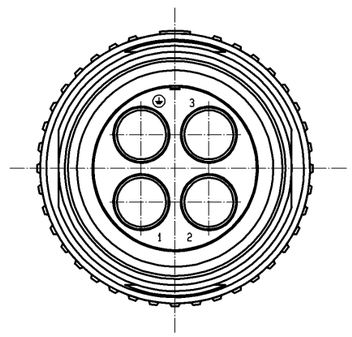
HIROSE ELECTRIC CO., LTD.

APPROVED	MO. SATOH	07. 11. 16	DRAWING NO. EDC3-115775-00
CHECED	EJ. KUNII	07. 11. 16	PART NO. EM35WBR-4SC
DESIGNED	HS. NAGANO	07. 11. 15	
DRAWN	HS. NAGANO	07. 11. 15	CODE NO. CL138-0014-6-00 △4 1/1









NOTES △3 1 APPLICABLE CRIMPING CONTACT:EM-PC-133(CL138-0019-0)
2 APPLICABLE CRIMP CONTACT EXTRACTION TOOL:EM-8-TP(CL150-0249-3)
3 APPLICABLE CABLE CLAMP:EM35WCC-※
※SHOWS THE APPLICABLE CABLE DIAMETER.
4 THE ASSEMBLY OF THIS PRDUCT APPLIES TO THE MANUAL ATAD-C0155.
△2 △5 THE RECOMMENDED TIGHTENING TORQUE, ADHESIVE FOR SCREW PORTION OF REF NO.⑩ AS FOLLOWINGS.
THE ADHESIVE SHOULD BE ATTACHED ON THE SCREW PORTION OF REF NO.⑩
TIGHTENING TORQUE: 6 TO 7 N·m.
ADHESIVE: LOCTITE 242 MADE BY HENKEL JAPAN LTD.
6 ROTATION EXAMPLES ARE SHOWN FOR REF. NO. ①, ⑤, AND ⑩.

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
5	ALUMINUM ALLOY	NICKEL PLATING	10	ALUMINUM ALLOY	NICKEL PLATING
4	STAINLESS STEEL		9	SILICONE RUBBER	(RED)
3	PBT	(BLACK) UL94V-0	8	SILICONE RUBBER	(RED)
2	PBT	(BLACK) UL94V-0	7	STAINLESS STEEL	
1	ALUMINUM ALLOY	NICKEL PLATING	6	STAINLESS STEEL	

UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	1 : 1	△3	1	DIS-C-001430	HS. NAGANO	HY. KOBAYASHI	09. 10. 05

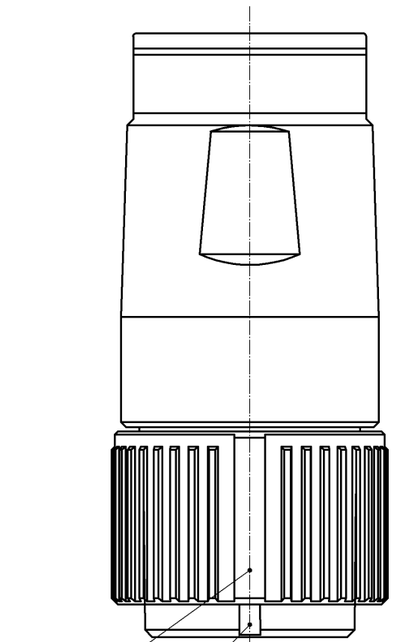
HIROSE ELECTRIC CO., LTD.

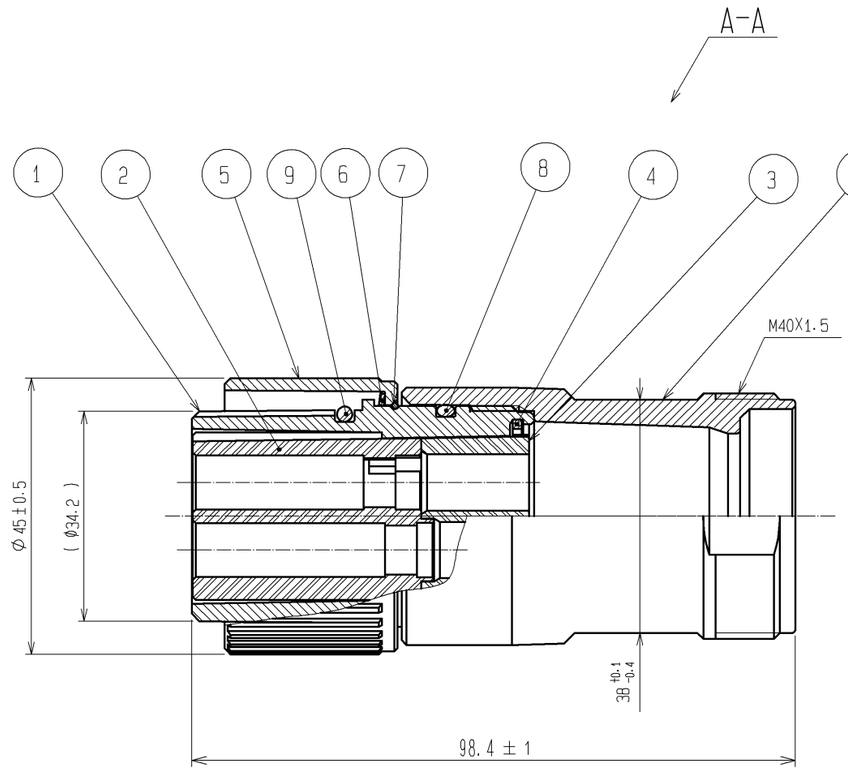
APPROVED	MO. SATOH	07. 11. 16
CHECED	EJ. KUNII	07. 11. 16
DESIGNED	HS. NAGANO	07. 11. 15
DRAWN	HS. NAGANO	07. 11. 15

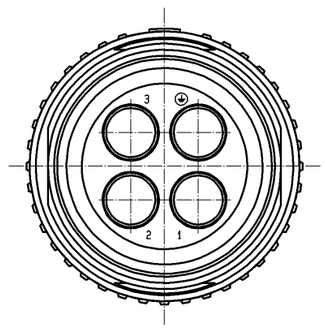
DRAWING NO.	EDC3-115774-00
PART NO.	EM35WBP-4PC
CODE NO.	CL138-0013-3-00 △3 1/1

2010/03/25 20:23:07 SRoper

参考図：ご確認用。正式には別途納入仕様書をご請求願います。







NOTES 1 APPLICABLE CRIMPING CONTACT:EM-SC-133(CL138-0018-7)
2 APPLICABLE CRIMP CONTACT EXTRACTION TOOL:EM-8-TP(CL150-0249-3)
3 APPLICABLE CABLE CLAMP:EM35WCC-※
※SHOWS THE APPLICABLE CABLE DIAMETER.
4 THE ASSEMBLY OF THIS PRDUCT APPLIES TO THE MANUAL ATAD-C0155.
5 THE RECOMMENDED TIGHTENING TORQUE, ADHESIVE FOR SCREW PORTION OF REF NO.⑩ AS FOLLOWINGS.
THE ADHESIVE SHOULD BE ATTACHED ON THE SCREW PORTION OF REF NO.⑩
TIGHTENING TORQUE: 6 TO 7 N·m.
ADHESIVE: LOCTITE 242 MADE BY HENKEL JAPAN LTD.
6 ROTATION EXAMPLES ARE SHOWN FOR REF. NO. ①, ⑤, AND ⑩.

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
5	ALUMINUM ALLOY	NICKEL PLATING	10	ALUMINUM ALLOY	NICKEL PLATING
4	STAINLESS STEEL		9	SILICONE RUBBER	(RED)
3	PBT	(BLACK) UL94V-0	8	SILICONE RUBBER	(RED)
2	PBT	(BLACK) UL94V-0	7	STAINLESS STEEL	
1	ALUMINUM ALLOY	NICKEL PLATING	6	STAINLESS STEEL	

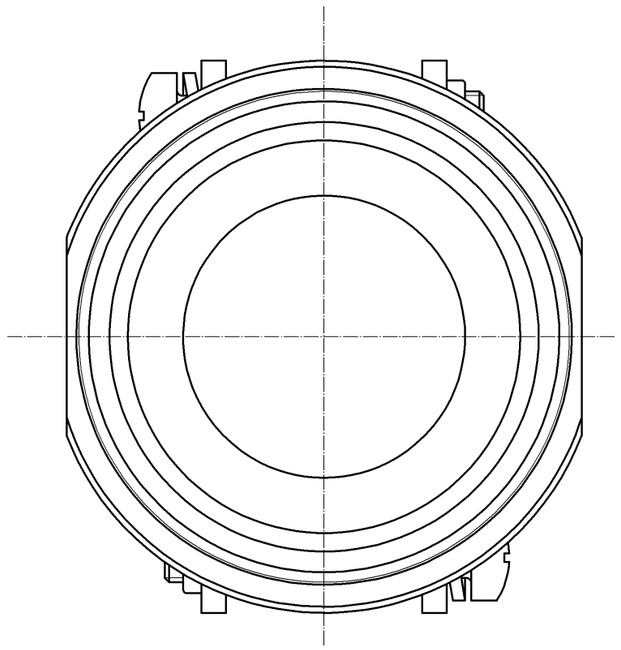
UNITS	SCALE		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	1 : 1	△1	1	DIS-C-001463	HS. NAGANO	HY. KOBAYASHI	09.10.30

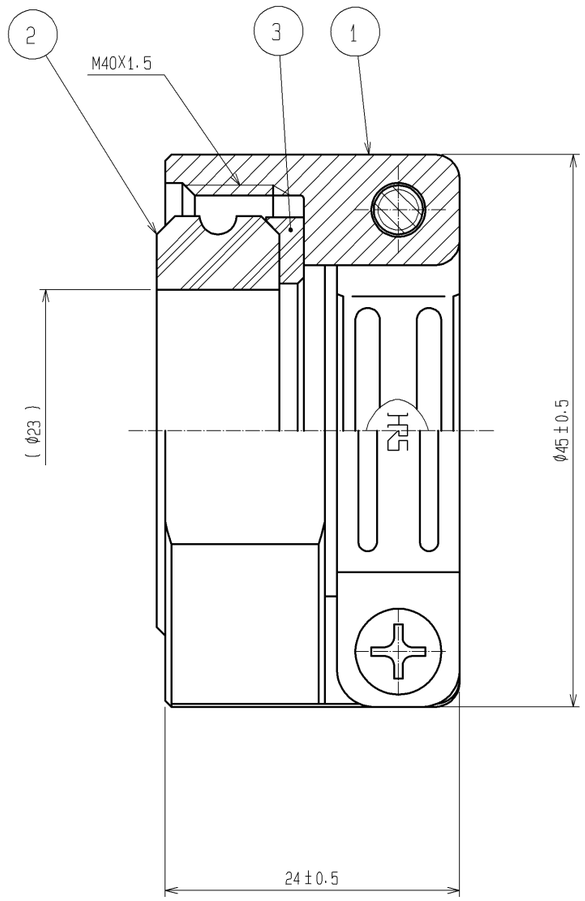
HIROSE ELECTRIC CO., LTD.

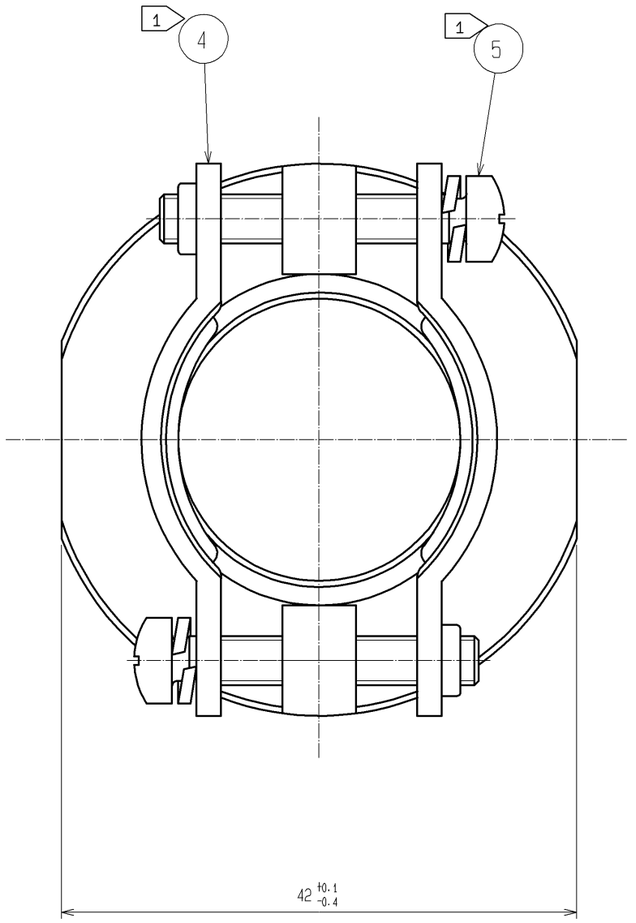
APPROVED	SU. OBARA	09.10.05	DRAWING NO. EDC3-115596-00
CHECED	HY. KOBAYASHI	09.10.05	PART NO. EM35WBP-4SC
DESIGNED	HS. NAGANO	09.10.02	
DRAWN	HS. NAGANO	09.10.02	CODE NO. CL138-0008-3-00 △1 1/1

2010/03/25 20:23:08 SRoper

参考図：ご確認用。正式には別途納入仕様書をご請求願います。







NOTES 1 THE RECOMMENDED TIGHTENING TORQUE REF NO.①: 6 TO 7 N・m.
THE RECOMMENDED TIGHTENING TORQUE REF NO.⑤: 1.2 TO 1.5 N・m.
THE RECOMMENDED ADHESIVE OF REF NO.①:LOCTITE 242 BY HENKEL JAPAN LTD.
2 WATER RESISTANCE, CABLE CLAMP FORCE, CABLE RETENTION FORCE IN AXIAL DIRECTION AND OTHER CHARACTERISTICS COULD VARY DEPENDING ON EACH CABLE CONSTRUCTION. CONFIRMATION IS REQUIRED PRIOR TO USE.
3 THIS PRODUCT IS DELIVERED DISASSEMBLED.

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
3	POLYACETAL	(WHITE)			
2	SILICONE RUBBER	(BLACK)	5	STAINLESS STEEL	
1	ALUMINUM ALLOY	NIKEL PLATING	4	STAINLESS STEEL	

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	△				

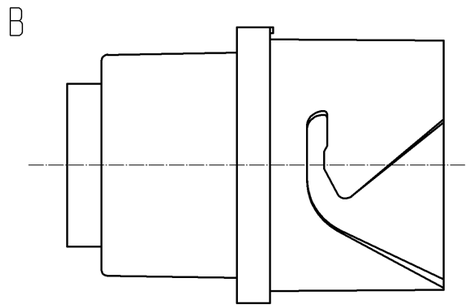
HIROSE ELECTRIC CO., LTD.

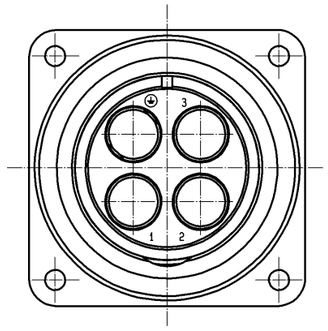
APPROVED	SU. OBARA	09. 10. 20
CHECKED	HY. KOBAYASHI	09. 10. 19
DESIGNED	HS. NAGANO	09. 10. 19
DRAWN	HS. NAGANO	09. 10. 19

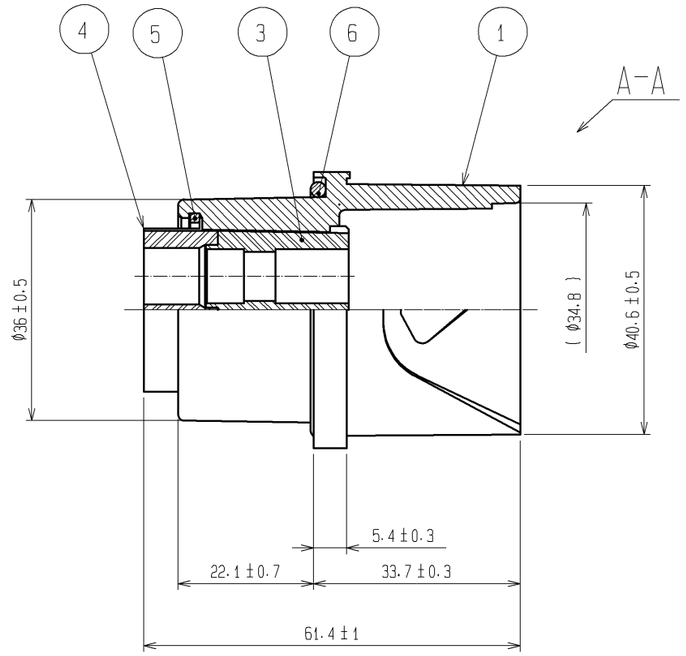
DRAWING NO. EDC3-115589-00
PART NO. EM35WCC-23
CODE NO. CL138-0007-0-00 △ 1/1

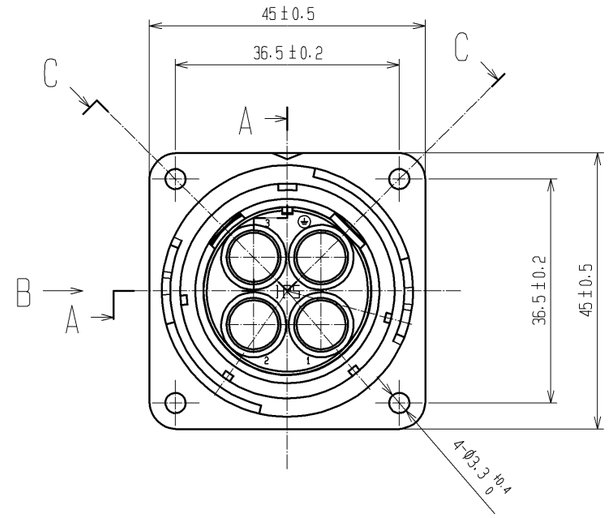
2010/03/25 20:23:09 SRoper

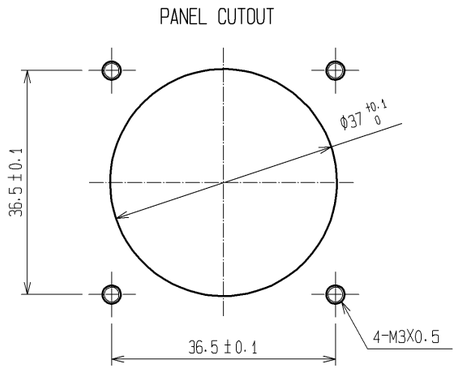
参考図：ご確認用。正式には別途納入仕様書をご請求願います。

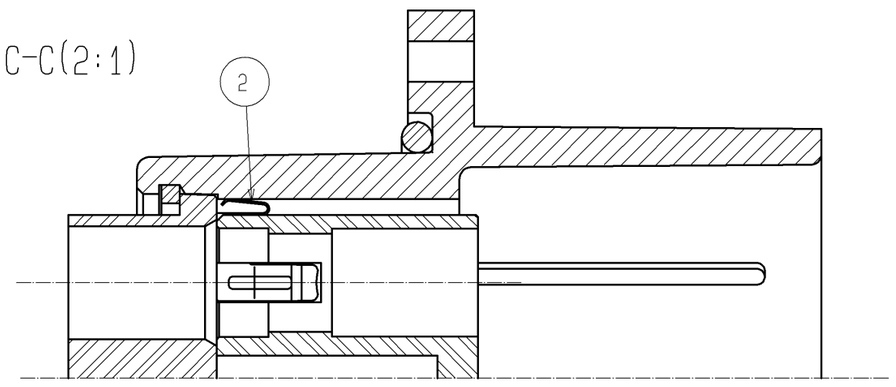












NOTES
1 APPLICABLE CRIMPING CONTACT:EM-PC-133(CL138-0019-0)
2 APPLICABLE CRIMP CONTACT EXTRACTION TOOL:EM-8-TP(CL150-0249-3)
3 THE ASSEMBLY OF THIS PRDUCT APPLIES TO THE MANUAL ATAD-C0155.
4 CHECK REF NO.⑥ IS PRPPERLY SET AT THE GROOVE OF REF.NO.①.
WHILE MOUNTING THE CONNECTOR, MAKE SURE THAT REF No.⑥ IS NOT CAUGHT.

NO.	MATERIAL	FINISH , REMARKS	NO.	MATERIAL	FINISH , REMARKS
3	PBT	(BLACK) UL94V-0	6	SILICONE RUBBER	(RED)
2	COPPER ALLOY	TIN PLATING	5	STAINLESS STEEL	
1	ALUMINUM ALLOY	NICKEL PLATING	4	PBT	(BLACK) UL94V-0

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	1 : 1					

HIROSE ELECTRIC CO., LTD.

APPROVED	SU. OBARA	09.10.20	DRAWING NO. EDC3-115597-00
CHECED	HY. KOBAYASHI	09.10.19	PART NO. EM35WBR-4PC
DESIGNED	HS. NAGANO	09.10.19	CODE NO. CL138-0009-6-00
DRAWN	HS. NAGANO	09.10.19	1/1