2010/12/21 21:12:07 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。

| | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE | | COUNT | DESCRIPTION OF REVISIONS | BY | CHKD | DATE |
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APPLICABLE STANDARD

| | | | | |
|---|---|---|---|---|
| RATING | OPERATING TEMPERATURE RANGE | -55 °C TO +105°C | STORAGE TEMPERATURE RANGE | — °C TO — °C |
| | VOLTAGE | AC 600V | OPERATING HUMIDITY RANGE | — % TO — % |
| | CURRENT | 1 10A | APPLICABLE CABLE | — |

# SPECIFICATIONS

| ITEM | TEST METHOD | REQUIREMENTS | QT | AT |
|---|---|---|---|---|
| **CONSTRUCTION** | | | | |
| GENERAL EXAMINATION | VISUALLY AND BY MEASURING INSTRUMENT. | ACCORDING TO DRAWING. | ○ | ○ |
| MARKING | CONFIRMED VISUALLY. | | ○ | ○ |
| **ELECTRIC CHARACTERISTICS** | | | | |
| CONTACT RESISTANCE | 100 mA (DC OR 1000 Hz). | 10 mΩ MAX. | ○ | ○ |
| INSULATION RESISTANCE | 500 V DC. | 1000 MΩ MIN. | ○ | — |
| VOLTAGE PROOF | 2200 V AC FOR 1 min. | NO FLASHOVER OR BREAKDOWN. | ○ | ○ |
| **MECHANICAL CHARACTERISTICS** | | | | |
| INSERTION AND WITHDRAWAL FORCES | MEASURED BY APPLICABLE CONNECTOR (MEASURED WITH ONE APPLICABLE CONNECTOR) | INSERTION FORCE 7.35 N MAX.<br>EXTRACTION FORCE 7.35 N MIN. | ○ | — |
| MECHANICAL OPERATION | 1000 TIMES INSERTIONS AND EXTRACTIONS. | ① CONTACT RESISTANCE:20 mΩ MAX.<br>② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | — |
| VIBRATION | FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm 2 h, FOR 3 DIRECTIONS. | ① NO ELECTRICAL DISCONTINUITY OF 10 μs.<br>② CONTACT RESISTANCE: 20 mΩ MAX. | ○ | — |
| SHOCK | 490 m/s² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION. | ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | — |
| **ENVIRONMENTAL CHARACTERISTICS** | | | | |
| RAPID CHANGE OF TEMPERATURE | TEMPERATURE −55 → 15~35 → 85→ 15~35 °C<br>TIME 30 →10~15 → 30 →10~15 min<br>UNDER 5 CYCLES. | ① CONTACT RESISTANCE: 20 mΩ MAX.<br>② INSULATION RESISTANCE: 1000 MΩ MIN.<br>③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | — |
| DAMP HEAT (STEADY STATE) | EXPOSED AT 60 °C, 90 ~ 95 %,96 h. | ① CONTACT RESISTANCE: 20 mΩ MAX.<br>② INSULATION RESISTANCE: 1000 MΩ MIN.(AT DRY)<br>③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | — |
| CORROSION SALT MIST | EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. | ① NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | — |
| DRY HEAT | EXPOSED AT 105 °C, 96 h. | ① CONTACT RESISTANCE:20 mΩ MAX.<br>② INSULATION RESISTANCE: 1000 MΩ MIN.<br>③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS. | ○ | — |

REMARKS
1 THIS IS THE CURRENT PER CONTACT (30A PER 3 CONTACT) APPLICABLE WHEN AWG#16 WIRE IS USED.
2.THE STD.VALUE ABOVE INDICATES AT THE STATE APPLICABLE CONTACT ASSEMBLED.

Unless otherwise specified, refer to JIS C 5402.

| DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---|---|---|---|---|
| T.Takeiyama '01.5.12 | T.Takeiyama '01.5.12 | S.Matsuyoshi 01.5.14 | S.Matsuyoshi 01.5.14 | |

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

| | | |
|---|---|---|
| HRS HIROSE ELECTRIC CO., LTD. | SPECIFICATION SHEET | PART NO. PX50-AD3S |

| CODE NO.(OLD) | DRAWING NO. | CODE NO. | |
|---|---|---|---|
| CL | ELC4-121810 | CL236-0010-0 | 1 1 |

FORM No.231-1

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| O |
| Q1 |
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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。

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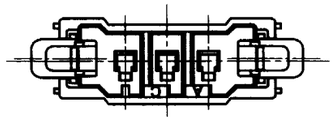

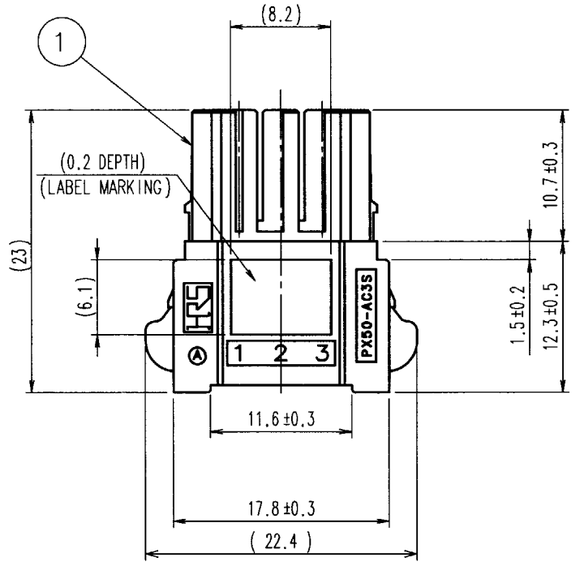


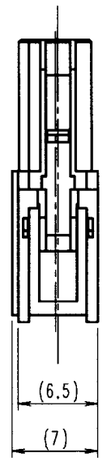


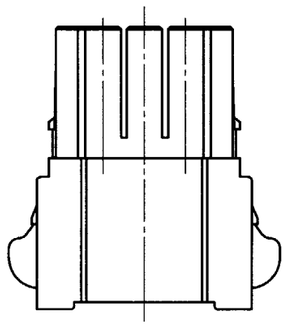

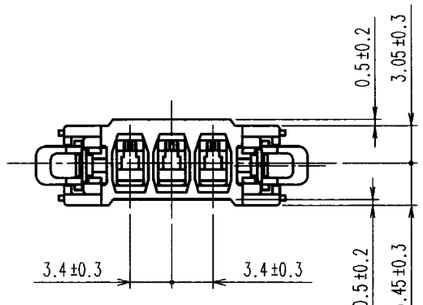


1 TABLE 1

| CONTACT CODE | APPLICABLE WIRE | RATED CURRENT |
|---|---|---|
| PX50-SC-*31 (*→1 LOOSE PIECE CONTACT) (*→2 STRIP CONTACT) | AWG #16 | 10A |
| | AWG #18 | 8A |

NOTES 1 APPLICABLE CONTACT,APPLICABLE WIRE AND RATED CURRENT ARE SHOWN IN TABLE 1.
SPECIFIED CURRENTS ARE RATED VALUE PER CONTACT.
(30A PER 3 CONTACTS FOR AWG #16 WIRE)
2. PLEASE DO NOT USE FOR THE PURPOSE OF INTERRUPTING THE CURRENT.
3. PLEASE ORDER TO BE MADE PER 100 PCS.

| NO. | MATERIAL | FINISH, REMARKS |
|---|---|---|
| 1 | PBT | (COLOR:BLACK) UL94V-0 |

| CODE NO.(OLD) | DRAWN | DESIGNED | CHECKED | APPROVED | RELEASED |
|---|---|---|---|---|---|
| CL | T.Sakaiyama 13.5.9 | T.Sakaiyama 13.5.9 | 13.5.10 | 13.5.10 | . . |

| SCALE | DRAWING NO. | PART NO. |
|---|---|---|
| 2 : 1 | EDC3-121810 | PX50-AC3S |
| UNITS: mm | HIROSE ELECTRIC CO., LTD | CODE NO. CL236-0010-0 1/1 |

| TO |
|---|
| Q1 |
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