









Mark of Overseas Safety Standards

| | | | | | | | |
|---|-----|---|--|---|-----|---|------|
|  | UL |  | C-UL (csa certification equivalent) |  | CSA |  | CQC |
|  | VDE |  | TÜV |  | CMJ |  | RHoS |

Overseas Safety Standards

| MODEL (US-) | 602S | 602K | 603U | 603U-H | 603K | 621 (SOD) | 622 | 622K | 622 (SOD) | 623 |
|-------------|------|------|------|--------|------|-----------|-----|------|-----------|-----|
| UL | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| C-UL | | ● | | ● | ● | ● | ● | ● | ● | ● |
| CSA | ● | | | | | | | | | |
| VDE EN 0730 | ● | | | ● | | ● | ● | ● | ● | |
| CQC | ● | | ● | ● | | | ● | | | |

| MODEL (US-) | 625 | 625 (SOD) | 628 | 628K | 630U | 802 (SOD含む) | 828 (SOD) |
|-------------|-----|-----------|-----|------|------|-------------|-----------|
| UL | ● | ● | ● | ● | ● | ● | ● |
| C-UL | ● | ● | | | | ● | ● |
| CSA | | | | | | | |
| VDE EN 0730 | ● | ● | | | ● | ● | |
| CQC | ● | ● | | | | | |
| TÜV | | ● | | | | | ● |

RoHS directive [Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment]

Beginning in July 2006, following specific amount of toxic substances or more will become sales regulated products in the EU whole area.

- Pb (Plumb)
- Cd (cadmium)
- Hg (Mercury)
- Hexad chrome
- PBB (polybrominated biphenyl)
- PBDE (polybrominated biphenyl ether)

The products with environmental care

we are making efforts as an environmental-friendly products.

| The list of the products with environmental care. | | | | |
|---|--------|--------|--------|--------|
| Disc type | US-118 | US-602 | US-603 | US-621 |
| | US-622 | US-623 | US-625 | US-628 |
| | US-630 | US-638 | US-828 | |
| Print circuit board | US-802 | | | |

Specifications for UL Approval Products

File No. E52529

Standard : Temperature-indicating and -Regulating Equipment UL873

Product Classification : COMPONENT-Temperature-indicating and -Regulating Equipment (XAPX2)

| UL Model | Rating | Maximum Temperature Rating | Durability |
|-------------------------|--|----------------------------|---|
| US-602S | AC 125V 15A AC 250V 8A Resistive Load | 150°C | Limiting 100,000 times |
| | DC 30V 5A Resistive Load | | Limiting 30,000 times |
| *US-602K | DC 30V 1A Resistive Load AC 120V 125VA Pilot Duty | 150°C | Limiting 100,000 times |
| *US-603U (US-603U-H) | AC 125V 15A AC 250V 8A Resistive Load AC 120V 10A Inductive Load 120VAC, FLA 5.8A, LRA 34.8A 240VAC, FLA 2.9A, LRA 17.4A | 160°C | Regulating 6,000 times |
| *US-603K | DC 30V 1A Resistive Load AC 120V 125VA Pilot Duty | 150°C | Regulating 6,000 times |
| *US-622 | AC 125V 15A AC 250V 10A Resistive Load | 185°C | Limiting 100,000 times |
| | | 160°C | S.O.D. (Single Operation Device) 1 times |
| *US-622K | DC 30V 1A Resistive Load AC 120V 125VA Pilot Duty | 130°C | Limiting 100,000 times |
| | | 160°C | |
| *US-621 | AC 125V 15A AC 250V 10A Resistive Load | 220°C | S.O.D. (Single Operation Device) 1 times |
| *US-623 | AC 120V 15A AC 250V 16A Resistive Load | 205°C | Regulating 6,000 times |
| *US-625 | AC 125V 15A AC 250V 10A Resistive Load | 260°C | Limiting 100,000 times |
| | | 220°C 260°C (US-625F) | S.O.D. (Single Operation Device) 1 times |
| US-628 | AC 125V 10A AC 250V 5A DC 24V 5A DC 40V 0.5A Resistive Load | 130°C | Limiting 30,000 times |
| *US-802 | DC 48V 1A AC 125V 1A Resistive Load | 120°C | Regulating 30,000 times |
| US-630U | AC 120V 5A AC 120V 2A Resistive Load | 100°C | Limiting 100,000 times |
| US-828U | AC 125V 16A AC 250V 16A Resistive Load | 290°C | S.O.D. (Single Operation Device) 1 times |

※ We acquire the C-UL certification regarding the * mark model.

※ Please contact the Overseas Sec about the UL certified product's variation of cover holder model and terminal model.

File No. E166395

Standard : Thermal Motor Protectors and Protectors for Hermetic and Semi-hermetic Compressors UL2111

Product Classification : COMPONENT-Thermal Motor Protectors (YFZW2)

| | | | | |
|---------|--|-------|---------------------------|--------------------------------|
| US-602S | AC 120V FLA 5.8A / LRA 34.8A AC 240V FLA 2.9A / LRA 17.4A Inductive Load | 150°C | Limiting 100,000 times | Same as the File No. E52529 |
|---------|--|-------|---------------------------|--------------------------------|

The list of Components /CMJ Registration

| Type | US-602 | US-622 | US-621 | US-625 | US-630 | US-802 | US-603 | US-623 | US-415 |
|---|--|--------------------------|--------------------------|------------|-------------------------------|-----------|---|--------------------------|--|
| Registration No | J-175 | J-172 | J-162 | J-136 | J-67 | J-140 | J-7 | J-179 | J-68 |
| Product name | Thermostat & Self-resetting thermal cutout | | | | | | Temperature limiter & Manual-resetting thermal cutout | | Thermostat |
| Rated voltage / Rated Current | AC125V/15A AC250V/10A | AC125V/15A AC250V/10A | AC125V/15A AC250V/10A | AC125V/15A | AC125V/8A | AC125V/1A | AC125V/15A | AC125V/16A | AC125V/6A |
| Type of load | Resist | | | | | | | | Resist |
| Type of switching action | Quick action type | | | | | | | | |
| Contact housing | Totally enclosed type | | | | | | | | Open type |
| Operating temperature setting | Fixed | | | | | | | | Adjustable |
| Operating method | Open and Close operating type (when temperature rise) | | | | | | Open operating type (when temperature rise) | | |
| Contact Open temperature | 150°C | 185°C | 200°C | 250°C | 120°C | 110°C | 150°C | 200°C | 110°C |
| Contact Middle temprature | 142.5°C | 170°C | 185°C | 230°C | 114°C | 100°C | | | 104.5°C |
| Number of rated load switching cycles of endurance test | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 5,000 | 5,000 | 100,000 |
| Insulation materials with lowest temperature index | Phenol Formaldehyde | Unsaturated Polyester | Polyphenylene Sulfide | Ceramic | Polybutylene Terephthalate | | Phenol Formaldehyde | Polyphenylene Sulfide | Ceramic Polybutylene Terephthalate |

The list of gas heating appliance parts inspections system registration

| Code number | Type | Variety | Maximum temperature | Air tight specification | Voltage・Electric current | Remarks | |
|--------------------------------------|---------|---|--------------------------------------|----------------------------|---|-----------------------------------|-----------------|
| Type , registration number : PC-1003 | | | | | | | |
| 002 | 118C | normally close・ automatic recovery type | 180°C | air tight specification | 40 VDC 0.5A | stainless cover | |
| 005 | 118B | | | | 125 VAC 3A | | |
| 006 | | | | | 24 VDC 3A | | |
| 019 020 | 630A | | 120°C | | 24 VDC 3A | PBT | |
| 021 022 | 602S | | 150°C | without air tight | 40 VDC 2A | stainless cover aluminum cover | |
| 024 | 602K | | 150°C | without air tight | 40 VDC 0.5A | stainless cover | |
| 030 | 623A | | 130°C | without air tight | 125 VAC 10A 250 VDC 5A 24 VDC 5A 40 VDC 2A | stainless cover | |
| 031 | 628A | | 130°C | without air tight | 40 VDC 0.5A | stainless cover | |
| Type , registration number : PC-1004 | | | | | | | |
| 002 | 603A | | normally close・ manual reset type | 150°C | without air tight | 40 VDC 2A | stainless cover |
| 006 | 603AXRT | 125 VAC 10A | | | | | |

- * This list is consisted of the registration number and contents for simple overview which passed the exam of "The parts for gas heating device inspection system" and registered.
- * This table is a content that the recognition registration is done, and part differs As general use for this model.
- * Please contact the Overseas Sec in detail,there is a special variation option which adoesn't register

- * In the case of applying this registered products whose terminal apply with this list the test of "gas burning appliance type approval , thermostat test will be abbreviated so that please write down the above described [type authorization number and code number] (maker name [Asahi Keiki Co.,Ltd] [type name [US- * * *]].
- * This system's examination and registration agency is Japan Gas Application Inspection Association (Nagoya examination office)