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Please find attached the related material on Project 4790430831

For your convenience, the below describes the related updates:

For revised/new documentation, please reference 2022-06-29 in the page headings. Certificate of Compliance format now separates US and Canada certified Products by specified scheme and category.

E484132-20160530-Description
Figure-2-Total
Illustration-10-Total

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File E484132
Project 4787414039

May 30, 2016

REPORT

on

LAMPHOLDER, MEDIUM BASE

Zhongshan Guzhen Yaoang Lighting Accessories Factory
Guangdong 528421 China

DESCRIPTION

PRODUCT COVERED:

USL, CNL – Lampholder, Medium Base Models YA-011, YA-021, YA-031.
*

ELECTRICAL RATINGS:

660 W, 250 V.

GENERAL:

The devices covered by this report are medium Edison-base type, lampholders.

USL - Products designated USL have been investigated using US requirements as noted in the Test Record.

CNL - Products designated CNL have been investigated using Canadian requirements as noted in the Test Record.

CONSTRUCTION DETAILS:

The product shall be constructed in accordance with the following descriptions.

Current-Carrying Parts – Iron or steel, plain or plated, shall not be used for parts that are depended upon to carry current.

Corrosion Protection - All ferrous metal parts are protected from corrosion by painting, plating or the equivalent.

Depth of Cavity - Depth of cavity, measured from the plane of the depressed center contact to the plane of the rim, shall be minimum 23.8 mm and maximum 25.4 mm.

Markings – A lampholder shall be plainly and permanently marked with:

a) Company name; or if described in Section General, trade name or trademark;

b) Catalog number, may be provided on the carton or other container in which the device is packaged;

c) Electrical rating; and

d) "FOR USE IN DRY OR DAMP LOCATIONS" for applicable to copper or a copper alloy with a minimum 80 percent copper screwshell only.

e) "FOR USE IN DRY LOCATION ONLY" for applicable to aluminum screwshell only.

Creepage and Clearance – These spacings have been judged on the basis of the required creepage and clearances in below Table. The clearance requirements are based on the following parameters.

Ratings of holder in volts	Holder for dry and damp location use			
	At wiring terminals		At points other than wiring terminals	
	Through air	Over surface	Through air	Over surface
250	6.4mm (0.25")	6.4mm (0.25")	1.2mm (0.046")	1.2mm (0.046")
600	6.4mm (0.25")	6.4mm (0.25")	3.2mm (0.125")	3.2mm (0.125")

ILLUSTRATIONS:

The following illustrations are included:

ILL.	MODEL	DESCRIPTIONS
1	YA-011	Overall dimension drawing
2	YA-021	Overall dimension drawing
3	YA-031	Overall dimension drawing
4	YA-011 YA-021 YA-031	dimension drawing Center Contact
5	YA-011	dimension drawing Screwshell
6	YA-021 YA-031	dimension drawing Screwshell
7	YA-011	dimension drawing alternate Aluminum Screwshell
8	YA-021 YA-031	dimension drawing alternate Aluminum Screwshell
9	YA-021	Spacing between screw to screwshell
10	YA-031	Spacing between screw to screwshell.

*

MODEL YA-011
FIGS. 1-2
ILL. 1

General – Figs. 1-2 depict the overall view and disassemble view of Model YA-011.

1. Body – Porcelain, shape as shown. Overall 34.5 mm OD by 38.2 mm high, by minimum 3.2 mm thick, see ILL. 1 for dimension details (unit: mm).

2. Crimping Terminal – Two provided, copper or copper alloy, measured overall 6 mm OD by 3.2 mm ID by 11.1 mm length, measured 3.0 mm long on conductors, 2.5 mm long on insulation and 1.5 mm wide on crimping area for each folded plate.

3. Center Contact – Copper, 0.4 mm thick, 6.4 mm wide, secured into integrally molded recess of Body by one copper alloy rivet, see ILL. 4 for dimension details (unit: mm).

4. Screwshell – Copper or a copper alloy with a minimum 80 percent copper, overall diameter 27.5 mm by 20.1 mm high, 0.35 mm thick, secured to Body by two copper alloy rivets, see ILL. 5 for dimension details (unit: mm).

Alternate – Aluminum, min. 0.38 mm thick, secured to Body by two copper alloy rivets, see ILL. 7(unit: mm) for dimension details.(For use in dry location only.)

*

5. Mounting Bracket – Show as sharp, manganese alloy, measured 1.0 mm thick minimum, secured to the Body and prevent from rotating by one single rivet and two slots.

6. Leads – Two provided, R/C AVLV2/8, 18 AWG, rated min 300 V, min 200°C, stranded copper conductors. Secured to Body by riveted via crimping with single Crimping Terminal. Lead colored white connected to Screwshell and Lead colored black connected to Center Contact. The live part of leads terminal connected to body is fully covered by electrical tubing, R/C YDPU2/8, rated 300 V, 125°C minimum.

Alternate – Same as above, except R/C AVLV2/8, Style 3173, Single Conductor, 18 AWG, rated 600 V, 125°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 1430 Single Conductor, XLPVC, thermosetting insulation, 18 AWG, rated 300 V, 105°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 1015, Single Conductor, 18 AWG, rated 600 V, 105°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 10362, Single Conductor, 18 AWG, rated 600 V, 250°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 1332 or 3122, Single Conductor, 18 AWG, rated 300 V, 200°C, with braid covering. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 3321, Single Conductor, 18 AWG, rated 600 V, 150°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Multi-conductor cable, AVLV2/8, Style 20288, 18 AWG/2c or 3c, rated 300 V, 105°C. Lead connected to screwshell is solid white or natural grey in color. Lead connected to center contact is a solid color other than white, natural grey, or green. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body. When the lead is provided with grounding conductor which is secured to Mounting Bracket with rivet.

Alternate – Multi-conductor cable, AVLV2/8, Style 20242, 18 AWG/2c or 3c, rated 300 V, 105°C. Lead connected to screwshell is solid white or natural grey in color. Lead connected to center contact is a solid color other than white, natural grey, or green. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body. When the lead is provided with grounding conductor which is secured to Mounting Bracket with rivet.

Alternate – Same as above, except R/C AVLV2/8, Style 1330, Single Conductor, 18 AWG, rated 600 V, 200°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Flexible cord, ZJCZ/7, Type SVT or SVT-B or SJT or SJTW, 18 AWG/2c or 3c, rated 300 V, 105°C. Lead connected to screwshell is solid white or natural grey in color. Lead connected to center contact is a solid color other than white, natural grey, or green. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body. When the cord is provided with grounding conductor which is secured to Mounting Bracket with rivet.

Alternate – Flexible cord, ZJCZ/7, Type SPT-1 or SPT-1-B or SPT-1W or SPT-2 or SPT-2-B, 18 AWG/2c, rated 300 V, 105°C. The insulated conductor with stripe, ridge, or groove on the exterior surface of the cord are connected to the Screwshell. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

MODEL YA-021
FIGS. 1-2
ILL. 2

General – Figs. 1-2 depict the overall view and disassemble view of Model YA-021.

1. Body – Porcelain, shape as shown. Overall 36.1 mm OD by 37.9 mm high, by minimum 3.3 mm thick, see ILL. 2 for dimension details (unit: mm).

2. Crimping Terminal – Two provided, copper or copper alloy, measured overall 6 mm OD by 3.2 mm ID by 11.1 mm length, measured 3.0 mm long on conductors, 2.5 mm long on insulation and 1.5 mm wide on crimping area for each folded plate.

3. Center Contact – Copper, 0.38 mm thick, 6.4 mm wide, secured into integrally molded recess of Body by one copper alloy rivet, see ILL. 4 for dimension details (unit: mm).

4. Screwshell – Copper or a copper alloy with a minimum 80 percent copper, overall diameter 27.7 mm by 20.2 mm high, 0.35 mm thick, secured to Body by two copper alloy rivets, see ILL. 6 for dimension details (unit: mm).

   Alternate – Aluminum, min. 0.38 mm thick, secured to Body by two copper alloy rivets, see ILL. 8(unit: mm) for dimension details.(For use in dry location only.)

*

5. Mounting Bracket – Show as sharp, manganese alloy, measured 1.0 mm thick minimum, secured to the Body and prevent from rotating by one single rivet and two slots.

6. Insulation Paper – Vulcanized fiber, measured overall 9.0 mm ID by 35 mm OD by 0.8 mm thick. Secured between the Body and Mounting Bracket by screws.

7. Leads – Two provided, R/C AVLV2/8, 18 AWG, rated min 300 V, min 200°C, stranded copper conductors. Secured to Body by riveted via crimping with Single Crimping Terminal. Lead colored white connected to Screwshell and Lead colored black connected to Center Contact.

Alternate – Same as above, except R/C AVLV2/8, Style 3173, Single Conductor, 18 AWG, rated 600 V, 125°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 1430 Single Conductor, XLPVC, thermosetting insulation, 18 AWG, rated 300 V, 105°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 1015, Single Conductor, 18 AWG, rated 600 V, 105°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 10362, Single Conductor, 18 AWG, rated 600 V, 250°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 1332, Single Conductor, 18 AWG, rated 300 V, 200°C, with braid covering. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 3321, Single Conductor, 18 AWG, rated 600 V, 150°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Multi-conductor cable, AVLV2/8, Style 20288, 18 AWG/2c or 3c, rated 300 V, 105°C. Lead connected to screwshell is solid white or natural grey in color. Lead connected to center contact is a solid color other than white, natural grey, or green. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body. When the lead is provided with grounding conductor which is secured to Mounting Bracket with rivet.

Alternate – Multi-conductor cable, AVLV2/8, Style 20242, 18 AWG/2c or 3c, rated 300 V, 105°C. Lead connected to screwshell is solid white or natural grey in color. Lead connected to center contact is a solid color other than white, natural grey, or green. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body. When the lead is provided with grounding conductor which is secured to Mounting Bracket with rivet.

Alternate – Same as above, except R/C AVLV2/8, Style 1330, Single Conductor, 18 AWG, rated 600 V, 200°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Flexible cord, ZJCZ/7, Type SVT or SVT-B or SJT or SJTW, 18 AWG/2c or 3c, rated 300 V, 105°C. Lead connected to screwshell is solid white or natural grey in color. Lead connected to center contact is a solid color other than white, natural grey, or green. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body. When the cord is provided with grounding conductor which is secured to Mounting Bracket with rivet.

Alternate – Flexible cord, ZJCZ/7, Type SPT-1 or SPT-1-B or SPT-1W or SPT-2 or SPT-2-B, 18 AWG/2c, rated 300 V, 105°C. The insulated conductor with stripe, ridge, or groove on the exterior surface of the cord are connected to the Screwshell. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

MODEL YA-031
FIGS. 1-2
ILL. 3

General – Figs. 1-2 depict the overall view and disassemble view of Model YA-031.

1. Body – Porcelain, shape as shown. Overall 38.8 mm OD by 40.8 mm high, by minimum 3.2 mm thick, see ILL. 3 for dimension details (unit: mm)

2. Crimping Terminal – Two provided, copper or copper alloy, measured overall 6 mm OD by 3.2 mm ID by 11.1 mm length, measured 3.0 mm long on conductors, 2.5 mm long on insulation and 1.5 mm wide on crimping area for each folded plate.

3. Center Contact – Copper, 0.4 mm thick, 6.4 mm wide, secured into integrally molded recess of Body by one copper alloy rivet, see ILL. 4 for dimension details (unit: mm).

*

4. Screwshell – Copper or a copper alloy with a minimum 80 percent copper, overall diameter 27.4 mm by 20.2 mm high, 0.32 mm thick, secured to Body by **two** copper alloy rivets, see ILL. 6 for dimension details (unit: mm).

Alternate – Aluminum, min. 0.38 mm thick, secured to Body by two copper alloy rivets, see ILL. 8(unit: mm) for dimension details.(For use in dry location only.)

*

5. Mounting Bracket – Show as sharp, manganese alloy, measured 1.0 mm thick minimum, secured to the Body and prevent from rotating by one single rivet and two slots.

5. Leads – Two provided, R/C AVLV2/8, 18 AWG, rated min 300 V, min 200°C, stranded copper conductors. Secured to Body by riveted via crimping with Single Crimping Terminal, Lead colored white connected to Screwshell and Lead colored black connected to Center Contact.

Alternate – Same as above, except R/C AVLV2/8, Style 3173, Single Conductor, 18 AWG, rated 600 V, 125°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 1430 Single Conductor, XLPVC, thermosetting insulation, 18 AWG, rated 300 V, 105°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 1015, Single Conductor, 18 AWG, rated 600 V, 105°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 10362, Single Conductor, 18 AWG, rated 600 V, 250°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 1332, Single Conductor, 18 AWG, rated 300 V, 200°C, with braid covering. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Same as above, except R/C AVLV2/8, Style 3321, Single Conductor, 18 AWG, rated 600 V, 150°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Multi-conductor cable, AVLV2/8, Style 20288, 18 AWG/2c or 3c, rated 300 V, 105°C. Lead connected to screwshell is solid white or natural grey in color. Lead connected to center contact is a solid color other than white, natural grey, or green. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body. When the lead is provided with grounding conductor which is secured to Mounting Bracket with rivet.

Alternate – Multi-conductor cable, AVLV2/8, Style 20242, 18 AWG/2c or 3c, rated 300 V, 105°C. Lead connected to screwshell is solid white or natural grey in color. Lead connected to center contact is a solid color other than white, natural grey, or green. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body. When the lead is provided with grounding conductor which is secured to Mounting Bracket with rivet.

Alternate – Same as above, except R/C AVLV2/8, Style 1330, Single Conductor, 18 AWG, rated 600 V, 200°C. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.

Alternate – Flexible cord, ZJCZ/7, Type SVT or SVT-B or SJT or SJTW, 18 AWG/2c or 3c, rated 300 V, 105°C. Lead connected to screwshell is solid white or natural grey in color. Lead connected to center contact is a solid color other than white, natural grey, or green. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body. When the cord is provided with grounding conductor which is secured to Mounting Bracket with rivet.

Alternate – Flexible cord, ZJCZ/7, Type SPT-1 or SPT-1-B or SPT-1W or SPT-2 or SPT-2-B, 18 AWG/2c, rated 300 V, 105°C. The insulated conductor with stripe, ridge, or groove on the exterior surface of the cord are connected to the Screwshell. Secured to stranded conductor only by closed loop, crimp-type connector, and rivet to Body.