

File E140310  
Project 03NK07706

2003-06-30

REPORT

on

OUTLET BUSHINGS AND FITTINGS

Jacob GmbH  
Kernen, Germany

Copyright © 2003 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above named company to reproduce this Report provided it is reproduced in its entirety.

## DESCRIPTION

## PRODUCT COVERED:

USL, CNL Series 10.XX15 M/G, where XX is 20, 32, 40, 50 or 63.  
**Series 10.XX15 Y/G, where XX is 20, 32, 40, 50 or 63.**  
 Series 10.XX15 PAVXXXX, where XX is 20, 32, 40, 50 or 63.

## GENERAL:

TABLE 1

Part No.	NPT Equivalent	Metric Equivalent(+)
10.2015XXXXXXXX	1/2	M20
10.3215XXXXXXXX	3/4	M32
10.4015XXXXXXXX	1	M40
10.5015XXXXXXXX	1-1/4, 1-1/2	M50
10.6315XXXXXXXX	2	M63

- Indicates no NPT equivalent for the correlating part number.

+ Indicates M20 = 20 mm, M32 = 32 mm, M40 = 40 mm, M50 = 50 mm, M63 = 63 mm.

## ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Products designated USL have been investigated using requirements contained in UL 514A.

Products designated CNL have been investigated using requirements contained in CAN/CSA 22.2 No. 18-1-13.

CONSTRUCTION DETAILS:

\* Marking - Listee's name, "Jacob" on device. Part No. and metric equivalent, M20, M32, M40, M50 or M63 and Type 4X on device or carton.

# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L140310-11-03603002-1  
**Report Reference** E140310-20030630  
**Date** 30-Oct-2020

**Issued to:** Jacob GmbH  
Elektrotechnische Fabrik  
Gottlieb-Daimler-Strasse 11 Kernen  
Germany 71394

**This is to certify that representative samples of** QCRV - Outlet Bushings and Fittings  
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 514A, 11th Ed., Issue Date: 2013-02-01, Revision Date: 2017-08-11

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L140310-11-03603002-1  
**Report Reference** E140310-20030630  
**Date** 30-Oct-2020

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

<b>Model</b>	<b>Category Description</b>
10.XX15 M/ G, where XX is 20, 32, 40, 50 or 63.	Outlet Bushings and Fittings
10.XX15 PAVXXXX, where XX is 20, 32, 40, 50 or 63.	Outlet Bushings and Fittings
10.XX15 Y/G, where XX is 20, 32, 40, 50 or 63.	Outlet Bushings and Fittings



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-L140310-31-03603002-1  
**Report Reference** E140310-20030630  
**Date** 30-Oct-2020

**Issued to:** Jacob GmbH  
Elektrotechnische Fabrik  
Gottlieb-Daimler-Strasse 11 Kernen  
Germany 71394

**This is to certify that representative samples of** QCRV7 - Outlet Bushings and Fittings Certified for Canada  
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** CSA C22.2 NO. 18.1-13, 2nd Ed., Issue Date: 2013-02-01,  
Revision Date: 2017-08-11

**Additional Information:** See the UL Online Certifications Directory at  
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-L140310-31-03603002-1  
**Report Reference** E140310-20030630  
**Date** 30-Oct-2020

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

<b>Model</b>	<b>Category Description</b>
10.XX15 M/ G, where XX is 20, 32, 40, 50 or 63.	Outlet Bushings and Fittings
10.XX15 PAVXXXX, where XX is 20, 32, 40, 50 or 63.	Outlet Bushings and Fittings
10.XX15 Y/G, where XX is 20, 32, 40, 50 or 63.	Outlet Bushings and Fittings



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



## DESCRIPTION

## PRODUCT COVERED:

USR, CNR Component Series 10.XX15 M/G where XX is 12, 16 or 25.  
**Series 10.XX15 Y/G where XX is 12, 16 or 25.**  
 Series 10.XX15 PAVXXXX, where XX is 12, 16 or 25.

## GENERAL:

TABLE 1

Part No.	NPT Equivalent	Metric Equivalent(+)
10.1215XXXXXXXX	-	M12
10.1615XXXXXXXX	-	M16
10.2515XXXXXXXX	-	M25

- Indicates no NPT equivalent for the correlating part number.

+ Indicates M12 = 12 mm, M16 = 16 mm, M25 = 25 mm

## ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Products designated USR have been investigated using requirements contained in UL 514A.

Products designated CNR have been investigated using requirements contained in CAN/CSA 22.2 No. 18-1-13.

## Conditions of Acceptability -

1. The following part numbers shall be installed in a suitable opening: 10.1215XXXXXXXX, 10.1615XXXXXXXX and 10.2515XXXXXXXX. See Table 1 for opening sizes.



CONSTRUCTION DETAILS:

Marking - Listee's name, "Jacob" on device. Part No. and metric equivalent, M12, M16 or M25 and Type 4X on device or carton.

# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L140310-22-82901102-1  
**Report Reference** E140310-20110928  
**Date** 30-Oct-2020

**Issued to:** Jacob GmbH  
Elektrotechnische Fabrik  
Gottlieb-Daimler-Strasse 11 Kernen  
Germany 71394

**This is to certify that representative samples of** QCRV2 - Outlet Bushings and Fittings - Component  
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:** UL 514A, 11th Ed., Issue Date: 2013-02-01, Revision Date: 2017-08-11

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-L140310-22-82901102-1  
**Report Reference** E140310-20110928  
**Date** 30-Oct-2020

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

<b>Model</b>	<b>Category Description</b>
10.1215 M/G	Outlet Bushings and Fittings
10.1215 PAVzzzz	Outlet Bushings and Fittings
10.1615 M/G	Outlet Bushings and Fittings
10.1615 PAVzzzz	Outlet Bushings and Fittings
10.2515 M/G	Outlet Bushings and Fittings
10.2515 PAVzzzz	Outlet Bushings and Fittings
10.XX15 Y/G,, where XX is 12, 16 or 25.	Outlet Bushings and Fittings



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-L140310-42-82901102-1  
**Report Reference** E140310-20110928  
**Date** 30-Oct-2020

**Issued to:** Jacob GmbH  
Elektrotechnische Fabrik  
Gottlieb-Daimler-Strasse 11 Kernen  
Germany 71394

**This is to certify that representative samples of** QCRV8 - Outlet Bushings and Fittings Certified for Canada - Component  
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:** CSA C22.2 NO. 18.1-13, 2nd Ed., Issue Date: 2013-02-01, Revision Date: 2017-08-11

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-L140310-42-82901102-1  
**Report Reference** E140310-20110928  
**Date** 30-Oct-2020

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

<b>Model</b>	<b>Category Description</b>
10.1215 M/G	Outlet Bushings and Fittings
10.1215 PAVzzzz	Outlet Bushings and Fittings
10.1615 M/G	Outlet Bushings and Fittings
10.1615 PAVzzzz	Outlet Bushings and Fittings
10.2515 M/G	Outlet Bushings and Fittings
10.2515 PAVzzzz	Outlet Bushings and Fittings
10.XX15 Y/G,, where XX is 12, 16 or 25.	Outlet Bushings and Fittings



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

