

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140909-E302391  
**Report Reference** E302391-20140904  
**Issue Date** 2014-SEPTEMBER-09

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM GERMANY

**This is to certify that  
representative samples of**

COMPONENT - CABLE ASSEMBLIES AND FITTINGS  
FOR INDUSTRIAL CONTROL AND SIGNAL  
DISTRIBUTION  
See Addendum.

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

**Standard(s) for Safety:**

Standard for Safety for Cable Assemblies and Fittings for  
Industrial Control and Signal Distribution, UL 2238.  
Standard for Special Use Attachment Plugs, Receptacles  
and Connectors, C22.2 No. 182.3-M1987.

**Additional Information:**

See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Recognized Component Marks for the U.S. and Canada should be considered as being covered by UL's Recognition and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

The UL Recognized Component Mark for the U.S. generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions. The UL Recognized Component Mark for Canada consists of the UL Recognized Mark for Canada:  and the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs

UL LLC

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140909-E302391  
**Report Reference** E302391-20140904  
**Issue Date** 2014-SEPTEMBER-09

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

USR, CNR – M8 Male Cable fitting,  
Cat. No. 79 followed by -5812, followed by any 3 digits (xxx) designating noncritical variations of cable length, followed by -08.

USR, CNR – M12 Male Cable fitting,  
Cat. No. 79 followed by -5809 or -5810, followed by any 3 digits (xxx) designating noncritical variations of cable length, followed by -08.

Male-to-Male configurations are not covered due to accessibility of live parts.



William R. Carney, Director, North American Certification Programs  
UL LLC

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150317-E302391  
**Report Reference** E302391-20070221  
**Issue Date** 2015-MARCH-17

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM GERMANY

**This is to certify that  
representative samples of**

COMPONENT - CABLE ASSEMBLIES AND FITTINGS  
FOR INDUSTRIAL CONTROL AND SIGNAL  
DISTRIBUTION

See Addendum Page.

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

**Standard(s) for Safety:**

UL 2238, Safety for Cable Assemblies and Fittings for  
Industrial Control and Signal Distribution.  
CAN/CSA C22.2 No. 182.3-M1987, Special Use  
Attachment Plugs, Receptacles, and Connectors.

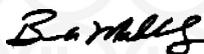
**Additional Information:**

See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance  
capabilities and are intended for use as components of complete equipment submitted for investigation rather  
than for direct separate installation in the field. The final acceptance of the component is dependent upon its  
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150317-E302391  
**Report Reference** E302391-20070221  
**Issue Date** 2015-MARCH-17

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

Component Series 820, Cat. Nos. as follows:

Panel-Mounted Conductor Fittings, Cat. Nos. –

09 2447 00 03, 09 2447 100 03, 09 2447 214 03, 09 2447 300 03, 09 2447 310 03, 09 2447 320 03, 09 2446 00 03, 09 2446 100 03, 09 2449 214 04, 09 2446 300 03, 09 2446 310 03, 09 2446 320 03, 09 2446 330 03, 09 2247 330 03, 09 2446 180 03, 09 2447 180 03.

09 2449 00 04, 09 2449 100 04, 09 2449 300 04, 09 2449 310 04, 09 2449 320 04, 09 2449 325 04, 09 2448 00 04, 09 2448 100 04, 09 2448 300 04, 09 2448 310 04, 09 2448 320 04, 09 2248 330 04, 09 2449 330 04, 09 2448 180 04, 09 2449 180 04.

09 2451 00 05, 09 2451 100 05, 09 2451 300 05, 09 2451 310 05, 09 2451 320 05, 09 2450 00 05, 09 2450 100 05, 09 2450 300 05, 09 2450 310 05, 09 2450 320 05, 09 2450 330 05, 09 2451 330 05, 09 2450 180 05, 09 2451 180 05.

Female Cable Fitting Straight, Cat.Nos. –

99-2440-12-03, 99-2440-21-03, 99-2440-32-03, 99-2440-42-03, 99-2440-282-03, 99-2442-12-04, 99-2442-21-04, 99-2442-32-04, 99-2442-42-04, 99-2442-282-04, 99-2444-12-05, 99-2444-21-05, 99-2444-23-05, 99-2444-32-05, 99-2444-33-05, 99-2444-42-05, 99-2444-43-05, 99-2444-282-05.

Male Cable Fitting Straight, Cat. Nos. –

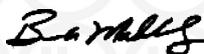
99-2441-12-03, 99-2441-21-03, 99-2441-32-03, 99-2441-42-03, 99-2441-282-03, 99-2443-12-04, 99-2443-21-04, 99-2443-32-04, 99-2443-42-04, 99-2443-282-04, 99-2445-12-05, 99-2445-21-05, 99-2445-23-05, 99-2445-32-05, 99-2445-33-05, 99-2445-42-05, 99-2445-43-05, 99-2445-282-05.

Female Cable Fitting Right Angle, Cat Nos. –

99-2440-52-03, 99-2440-62-03, 99-2440-72-03, 99-2442-52-04, 99-2442-62-04, 99-2442-72-04, 99-2444-52-05, 99-2444-62-05, 99-2444-63-05, 99-2444-72-05, 99-2444-73-05.

Male Cable Fitting Right Angle, Cat. Nos. –

99-2441-52-03, 99-2441-62-03, 99-2441-72-03, 99-2443-52-04, 99-2443-62-04, 99-2443-72-04, 99-2445-52-05, 99-2445-62-05, 99-2445-63-05, 99-2445-72-05, 99-2445-73-05.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

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## Cable Assemblies and Fittings for Industrial Control and Signal Distribution - Component

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## Cable Assemblies and Fittings for Industrial Control and Signal Distribution - Component

[See General Information for Cable Assemblies and Fittings for Industrial Control and Signal Distribution - Component](#)

FRANZ BINDER GMBH & CO. ELEKTRISCHE BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM, GERMANY

E302391

Panel-mounted conductor fittings, Series 820, Cat. Nos. 09 2447 00 03, 09 2447 100 03, 09 2447 300 03, 09 2447 310 03, 09 2447 320 03, 09 2446 00 03, 09 2446 100 03, 09 2446 300 03, 09 2446 310 03, 09 2446 320 03, 09 2449 00 04, 09 2449 100 04, 09 2449 300 04, 09 2449 310 04, 09 2449 320 04, 09 2449 325 04, 09 2448 00 04, 09 2448 100 04, 09 2448 300 04, 09 2448 310 04, 09 2448 320 04, 09 2451 00 05, 09 2451 100 05, 09 2451 300 05, 09 2451 310 05, 09 2451 320 05, 09 2450 00 05, 09 2450 100 05, 09 2450 300 05, 09 2450 310 05, 09 2450 320 05, 09 2446 330 03, 09 2247 330 03, 09 2446 180 03, 09 2447 180 03, 09 2248 330 04, 09 2449 330 04, 09 2448 180 04, 09 2449 180 04, 09 2450 330 05, 09 2451 330 05, 09 2450 180 05, 09 2451 180 05.

Female cable fitting straight, Cat. Nos. 99-2440-12-03, 99-2440-21-03, 99-2440-32-03, 99-2440-42-03, 99-2440-282-03, 99-2442-12-04, 99-2442-21-04, 99-2442-32-04, 99-2442-42-04, 99-2442-282-04, 99-2444-12-05, 99-2444-21-05, 99-2444-23-05, 99-2444-32-05, 99-2444-33-05, 99-2444-42-05, 99-2444-43-05, 99-2444-282-05.

Male cable fitting straight, Cat. Nos. 99-2441-12-03, 99-2441-21-03, 99-2441-32-03, 99-2441-42-03, 99-2441-282-03, 99-2443-12-04, 99-2443-21-04, 99-2443-32-04, 99-2443-42-04, 99-2443-282-04, 99-2445-12-05, 99-2445-21-05, 99-2445-23-05, 99-2445-32-05, 99-2445-33-05, 99-2445-42-05, 99-2445-43-05, 99-2445-282-05.

Female cable fitting right angle, Cat. Nos. 99-2440-52-03, 99-2440-62-03, 99-2440-72-03, 99-2442-52-04, 99-2442-62-04, 99-2442-72-04, 99-2444-52-05, 99-2444-62-05, 99-2444-63-05, 99-2444-72-05, 99-2444-73-05.

Male cable fitting right angle, Cat. Nos. 99-2441-52-03, 99-2441-62-03, 99-2441-72-03, 99-2443-52-04, 99-2443-62-04, 99-2443-72-04, 99-2445-52-05, 99-2445-62-05, 99-2445-63-05, 99-2445-72-05, 99-2445-73-05.

Female cable fittings, Series 714, Cat. Nos. 09-0440-010-04, 99-0440-016-04, 09-0440-000-04.

Inlets, Series 714, Cat. Nos. 09-0441-081-04, 09-0441-090-04.

Series 825, Cat. No. 09-5245-00-04.

Series 715, Cat. No. 09-5242-00-04.

Female cable fittings, Series 825, Cat. Nos. 99-3730-810-04, 99-3728-810-04, 99-3730-820-04, 99-3728-820-04, 09-5246-00-04.

Series 715, Cat. Nos. 99-1430-810-04, 99-1436-810-05, 99-1436-910-05, 99-1436-935-05, 99-1438-810-05, 99-1438-910-05, 99-1430-995-04, 99-1436-995-05, 99-1430-820-04, 99-1436-820-05, 99-1436-920-05, 99-1438-820-05, 99-0430-15-04, 99-0430-110-04, 99-0436-15-05, 99-0436-110-05, 99-0430-05-04, 99-0430-165-04, 99-0436-05-05, 99-0436-165-05.

Series 713, Cat. Nos. 99-0430-10-04, 99-0430-30-04, 99-0430-57-04, 99-0436-10-05, 99-0436-57-05, 99-0430-07-04, 99-0430-158-04, 99-0430-14-04, 99-0430-12-04, 99-0436-14-05, 99-0436-12-05, 99-0486-12-08, 99-0492-12-12, 99-0430-82-04, 99-0430-282-04, 99-0436-82-05, 99-0436-282-05, 99-0486-282-08, 99-0430-142-04, 99-0436-142-05, 99-0430-287-04, 99-0436-287-05, 99-0486-287-08, 99-0430-00-04, 99-0430-20-04, 99-0430-69-04, 99-0430-68-04, 99-0436-00-05, 99-0436-69-05, 99-0430-27-04, 99-0430-161-04, 99-0430-24-04, 99-0430-52-04, 99-0436-24-05, 99-0436-52-05, 99-0492-52-12, 99-0430-92-04, 99-0430-292-04, 99-0436-92-05, 99-0436-292-05, 99-1430-814-04, 99-1430-812-04, 99-1436-814-05, 99-1436-812-05, 99-1486-812-08, 99-1492-812-12, 99-1486-914-08, 99-1432-814-04, 99-1438-814-05, 99-1488-814-08, 99-1488-812-08, 99-1430-991-04, 99-1430-992-04, 99-1436-991-05, 99-1436-992-05, 99-1486-992-05, 99-1430-824-04, 99-1430-822-04, 99-1436-824-05, 99-1436-822-05, 99-1492-822-12, 99-1432-824-04, 99-1438-824-05.

Male cable fittings, Series 825, Cat. Nos. 99-3729-810-04, 99-3727-810-04, 99-3729-995-04, 99-3729-820-04, 99-3727-820-04, 09-5245-00-04.

Series 715, Cat. Nos. 99-1429-810-04, 99-1437-810-05, 99-1437-910-05, 99-1437-935-05, 99-1439-810-05, 99-1439-910-05, 99-1429-995-04, 99-1437-995-05, 99-1429-820-04, 99-1437-820-05, 99-1437-920-05, 99-1439-820-05, 99-0429-15-04, 99-0429-105-04, 99-0437-15-05, 99-0437-105-05, 99-0429-135-04, 99-0429-145-04, 99-0437-135-05, 99-0437-145-05.

Series 713, Cat. Nos. 99-0429-43-04, 99-0429-57-04, 99-0437-43-05, 99-0437-57-05, 99-0429-07-04, 99-0429-158-04, 99-0429-14-04, 99-0429-12-04, 99-0437-14-05, 99-0437-12-05, 99-0487-12-08, 99-0491-12-12, 99-0429-82-04, 99-0429-282-04, 99-0437-82-05, 99-0437-282-05, 99-0487-282-08, 99-0429-142-04, 99-0437-142-05, 99-0429-186-04, 99-0437-186-05, 99-0487-186-08, 99-0429-287-04, 99-0437-287-05, 99-0487-287-08, 99-0429-44-04, 99-0429-20-04, 99-0437-44-05, 99-0429-27-04, 99-0429-161-04, 99-0429-24-04, 99-0429-52-04, 99-0437-24-05, 99-0437-52-05, 99-0491-52-12, 99-0429-92-04, 99-0429-292-04, 99-0437-92-05, 99-0437-292-05, 99-0429-162-04, 99-0437-162-05, 99-0429-286-04, 99-0437-286-05, 99-1429-814-04, 99-1429-812-04, 99-1437-814-05, 99-1437-812-05, 99-1487-812-08, 99-1491-812-12, 99-1487-914-08, 99-1431-814-04, 99-1439-814-05

, 99-1489-814-08, 99-1489-812-08, 99-1429-991-04, 99-1429-992-04, 99-1437-991-05, 99-1437-992-05, 99-1487-992-08, 99-1429-824-04, 99-1429-822-04, 99-1437-824-05, 99-1437-822-05, 99-1491-822-12, 99-1431-824-04, 99-1439-824-05.

Outlet, Series 825, Cat. No. 09-5246-00-04.

Cable assemblies, Series 423. Female cable connector with cable clamp, shieldable, size: 4 - 6mm, 6 - 8mm. Female cable connector, short version size: 4-8 mm. Female cable connector with shielding ring, size: 4 - 6mm, 6 - 8mm, 8-10mm. Female angled connector, shieldable size: 4 - 6mm, 6 - 8mm. Female socket solder connector. Size : 2-24 pole. Male angled connector, shieldable size: 4 - 6mm, 6 - 8mm. Male cable connector with cable clamp, shieldable size: 4 - 6mm, 6 - 8mm. Male cable connector, short version size: 4-8 mm. Male cable connector with shielding ring, size: 4 - 6mm, 6 - 8mm, 8-10mm. Male socket solder connector. Size : 2-24 pole.

Female socket, solder connector front fastened, size: 2-24 pole.

Female socket, dip solder, front fastened, size: 2-24 pole.

Male socket, solder connector front fastened, size: 2-24 pole.

Male socket, dip solder, front fastened, size: 2-24 pole.

Marking: Company name and catalog or series designation on device or carton.

Last Updated on 2013-01-24

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## CYJV8.E302391

Cable Assemblies and Fittings for Industrial Control and Signal Distribution  
Certified for Canada - Component[Page Bottom](#)Cable Assemblies and Fittings for Industrial Control and Signal Distribution  
Certified for Canada - Component[See General Information for Cable Assemblies and Fittings for Industrial Control and Signal Distribution Certified for Canada - Component](#)

FRANZ BINDER GMBH & CO. ELEKTRISCHE BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM, GERMANY

E302391

Panel-mounted conductor fittings, Series 820, Cat. Nos. 09 2447 00 03, 09 2447 100 03, 09 2447 300 03, 09 2447 310 03, 09 2447 320 03, 09 2446 00 03, 09 2446 100 03, 09 2446 300 03, 09 2446 310 03, 09 2446 320 03, 09 2449 00 04, 09 2449 100 04, 09 2449 300 04, 09 2449 310 04, 09 2449 320 04, 09 2449 325 04, 09 2448 00 04, 09 2448 100 04, 09 2448 300 04, 09 2448 310 04, 09 2448 320 04, 09 2451 00 05, 09 2451 100 05, 09 2451 300 05, 09 2451 310 05, 09 2451 320 05, 09 2450 00 05, 09 2450 100 05, 09 2450 300 05, 09 2450 310 05, 09 2450 320 05, 09 2446 330 03, 09 2247 330 03, 09 2446 180 03, 09 2447 180 03, 09 2248 330 04, 09 2449 330 04, 09 2448 180 04, 09 2449 180 04, 09 2450 330 05, 09 2451 330 05, 09 2450 180 05, 09 2451 180 05.

Female cable fitting straight, Cat. Nos. 99-2440-12-03, 99-2440-21-03, 99-2440-32-03, 99-2440-42-03, 99-2440-282-03, 99-2442-12-04, 99-2442-21-04, 99-2442-32-04, 99-2442-42-04, 99-2442-282-04, 99-2444-12-05, 99-2444-21-05, 99-2444-23-05, 99-2444-32-05, 99-2444-33-05, 99-2444-42-05, 99-2444-43-05, 99-2444-282-05.

Male cable fitting straight, Cat. Nos. 99-2441-12-03, 99-2441-21-03, 99-2441-32-03, 99-2441-42-03, 99-2441-282-03, 99-2443-12-04, 99-2443-21-04, 99-2443-32-04, 99-2443-42-04, 99-2443-282-04, 99-2445-12-05, 99-2445-21-05, 99-2445-23-05, 99-2445-32-05, 99-2445-33-05, 99-2445-42-05, 99-2445-43-05, 99-2445-282-05.

Female cable fitting right angle, Cat. Nos. 99-2440-52-03, 99-2440-62-03, 99-2440-72-03, 99-2442-52-04, 99-2442-62-04, 99-2442-72-04, 99-2444-52-05, 99-2444-62-05, 99-2444-63-05, 99-2444-72-05, 99-2444-73-05.

Male cable fitting right angle, Cat. Nos. 99-2441-52-03, 99-2441-62-03, 99-2441-72-03, 99-2443-52-04, 99-2443-62-04, 99-2443-72-04, 99-2445-52-05, 99-2445-62-05, 99-2445-63-05, 99-2445-72-05, 99-2445-73-05.

Female cable fittings, Series 714, Cat. Nos. 09-0440-010-04, 99-0440-016-04, 09-0440-000-04.

Inlets, Series 714, Cat. Nos. 09-0441-081-04, 09-0441-090-04.

Series 825, Cat. No. 09-5245-00-04.

Series 715, Cat. No. 09-5242-00-04.

Female cable fittings, Series 825, Cat. Nos. 99-3730-810-04, 99-3728-810-04, 99-3730-820-04, 99-3728-820-04, 09-5246-00-04.

Series 715, Cat. Nos. 99-1430-810-04, 99-1436-810-05, 99-1436-910-05, 99-1437-935-05, 99-1438-810-05, 99-1438-910-05, 99-1430-995-04, 99-1436-995-05, 99-1430-820-04, 99-1436-820-05, 99-1436-920-05, 99-1438-820-05, 99-0430-15-04, 99-0430-110-04, 99-0436-15-05, 99-0436-110-05, 99-0430-05-04, 99-0430-165-04, 99-0436-05-05, 99-0436-165-05.

Series 713, Cat. Nos. 99-0430-10-04, 99-0430-30-04, 99-0430-57-04, 99-0436-10-05, 99-0436-57-05, 99-0430-07-04, 99-0430-158-04, 99-0430-14-04, 99-0430-12-04, 99-0436-14-05, 99-0436-12-05, 99-0486-12-08, 99-0492-12-12, 99-0430-82-04, 99-0430-282-04, 99-0436-82-05, 99-0436-282-05, 99-0486-282-08, 99-0430-142-04, 99-0436-142-05, 99-0430-287-04, 99-0436-287-05, 99-0486-287-08, 99-0430-00-04, 99-0430-20-04, 99-0430-69-04, 99-0430-68-04, 99-0436-00-05, 99-0436-69-05, 99-0430-27-04, 99-0430-161-04, 99-0430-24-04, 99-0430-52-04, 99-0436-24-05, 99-0436-52-05, 99-0492-52-12, 99-0430-92-04, 99-0430-292-04, 99-0436-92-05, 99-0436-292-05, 99-1430-814-04, 99-1430-812-04, 99-1436-814-05, 99-1436-812-05, 99-1486-812-08, 99-1492-812-12, 99-1486-914-08, 99-1432-814-04, 99-1438-814-05, 99-1488-814-08, 99-1488-812-08, 99-1430-991-04, 99-1430-992-04, 99-1436-991-05, 99-1436-992-05, 99-1486-992-08, 99-1430-824-04, 99-1430-822-04, 99-1436-824-05, 99-1436-822-05, 99-1492-822-12, 99-1432-824-04, 99-1438-824-05.

Male cable fittings, Series 825, Cat. Nos. 99-3729-810-04, 99-3727-810-04, 99-3729-995-04, 99-3729-820-04, 99-3727-820-04, 09-5245-00-04.

Series 715, Cat. Nos. 99-1429-810-04, 99-1437-810-05, 99-1437-910-05, 99-1437-935-05, 99-1439-810-05, 99-1439-910-05, 99-1429-995-04, 99-1437-995-05, 99-1429-820-04, 99-1437-820-05, 99-1437-920-05, 99-1439-820-05, 99-0429-15-04, 99-0429-105-04, 99-0437-15-05, 99-0437-105-05, 99-0429-135-04, 99-0429-145-04, 99-0437-135-05, 99-0437-145-05, 09-5242-00-04.

Series 713, Cat. Nos. 99-0429-43-04, 99-0429-57-04, 99-0437-43-05, 99-0437-57-05, 99-0429-07-04, 99-0429-158-04, 99-0429-14-04, 99-0429-12-04, 99-0437-14-05, 99-0437-12-05, 99-0487-12-08, 99-0491-12-12, 99-0429-82-04, 99-0429-282-04, 99-0437-82-05, 99-0437-282-05, 99-0487-282-08, 99-0429-142-04, 99-0437-142-05, 99-0429-186-04, 99-0437-186-05, 99-0487-186-08, 99-0429-287-04, 99-0437-287-05, 99-0487-287-08, 99-0429-44-04, 99-0429-20-04, 99-0437-44-05, 99-0429-27-04, 99-0429-161-04, 99-0429-24-04, 99-0429-52-04, 99-0437-24-05, 99-0437-52-05, 99-0491-52-12, 99-0429-92-04, 99-0429-292-04, 99-0437-92-05, 99-0437-292-05, 99-0429-162-04, 99-0437-162-05, 99-0429-286-04, 99-0437-286-05, 99-1429-814-04, 99-1429-812-04, 99-1437-814-05, 99-1437-812-05, 99-1487-812-08, 99-1491-812-12, 99-1487-914-08, 99-1431-814-04, 99-1439-814-05

, 99-1489-814-08, 99-1489-812-08, 99-1429-991-04, 99-1429-992-04, 99-1437-991-05, 99-1437-992-05, 99-1487-992-08, 99-1429-824-04, 99-1429-822-04, 99-1437-824-05, 99-1437-822-05, 99-1491-822-12, 99-1431-824-04, 99-1439-824-05.

Outlet, Series 825, Cat. No. 09-5246-00-04.

Cable assemblies, Series 423. Female cable connector with cable clamp, shieldable, size: 4 - 6mm, 6 - 8mm. Female cable connector, short version size: 4-8 mm. Female cable connector with shielding ring, size: 4 - 6mm, 6 - 8mm, 8-10mm. Female angled connector, shieldable size: 4 - 6mm, 6 - 8mm. Female socket solder connector. Size : 2-24 pole. Male angled connector, shieldable size: 4 - 6mm, 6 - 8mm. Male cable connector with cable clamp, shieldable size: 4 - 6mm, 6 - 8mm. Male cable connector, short version size: 4-8 mm. Male cable connector with shielding ring, size: 4 - 6mm, 6 - 8mm, 8-10mm. Male socket solder connector. Size : 2-24 pole.

Female socket, solder connector front fastened, size: 2-24 pole.

Female socket, dip solder, front fastened, size: 2-24 pole.

Male socket, solder connector front fastened, size: 2-24 pole.

Male socket, dip solder, front fastened, size: 2-24 pole.

Marking: Company name and catalog designation and Recognized Component Mark for Canada on device or carton.

Last Updated on 2013-01-24

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20141025-E302391  
**Report Reference** E302391-20110908  
**Issue Date** 2014-OCTOBER-25

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM GERMANY

**This is to certify that  
representative samples of**

COMPONENT - CABLE ASSEMBLIES AND FITTINGS  
FOR INDUSTRIAL CONTROL AND SIGNAL  
DISTRIBUTION

See addendum page for models

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

**Standard(s) for Safety:**

UL 2238, Cable Assemblies and Fittings for Industrial  
Control and Signal Distribution  
C22.2 No. 182.3-M1987, Special Use Attachment Plugs,  
Receptacles and Connectors

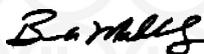
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Recognized components are incomplete in certain constructional features or restricted in performance  
capabilities and are intended for use as components of complete equipment submitted for investigation rather  
than for direct separate installation in the field. The final acceptance of the component is dependent upon its  
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

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# CERTIFICATE OF COMPLIANCE

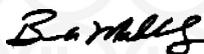
**Certificate Number** 20141025-E302391  
**Report Reference** E302391-20110908  
**Issue Date** 2014-OCTOBER-25

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

Cable Assemblies, Series 423 as follows:

Female cable connector with cable clamp, solder, shieldable, size: 4 – 6mm, 6 - 8mm.  
Female cable connector with cable clamp, screw clamp, size: 4 – 6mm, 6 - 8mm.  
Female cable connector with cable clamp, crimp, size: 4 – 6mm, 6 - 8mm.  
Female cable connector with cable clamp, crimp, short version size: 4 - 8mm.  
Female angled, crimp, size: 4 – 6mm, 6 - 8mm.  
Female cable connector, solder, short version size: 4-8 mm.  
Female cable connector with shielding ring, solder, size: 4 - 6mm, 6 - 8mm, 8-10mm.  
Female angled connector, solder, shieldable size: 4 - 6mm, 6 - 8mm.  
Female socket solder connector, size: 2-24 pole.  
Female socket crimp connector, size: 4-8 pole.  
Female socket crimp connector, front fastened, size: 4-8 pole.  
Female socket, solder connector front fastened, size: 2-24 pole.  
Female socket, dip solder, front fastened, size: 2-24 pole.

Male angled connector, solder, shieldable size: 4 - 6mm, 6 - 8mm.  
Male cable connector with cable clamp, solder, shieldable size: 4 - 6mm, 6 - 8mm.  
Male cable connector with cable clamp, screw clamp, size: 4 – 6mm, 6 - 8mm.  
Male cable connector with cable clamp, crimp, size: 4 – 6mm, 6 - 8mm.  
Male cable connector with cable clamp, crimp, short version size: 4 - 8mm.  
Male angled, crimp, size: 4 – 6mm, 6 - 8mm.  
Male cable connector, solder, short version size: 4-8 mm.  
Male cable connector with shielding ring, solder, size: 4 - 6mm, 6 - 8mm, 8-10mm.  
Male socket solder connector, size: 2-24 pole.  
Male socket crimp connector, size: 4-8 pole.  
Male socket crimp connector, front fastened, size: 4-8 pole.  
Male socket, solder connector front fastened, size: 2-24 pole.  
Male socket, dip solder, front fastened, size: 2-24 pole.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140204-E302391  
**Report Reference** E302391-20130110  
**Issue Date** 2014-FEBRUARY-04

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM, GERMANY

**This is to certify that  
representative samples of**

COMPONENT - CABLE ASSEMBLIES AND FITTINGS  
FOR INDUSTRIAL CONTROL AND SIGNAL  
DISTRIBUTION

See Addendum Page

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

**Standard(s) for Safety:** UL 2238 and C22.2 No. 182.3-M1987 - Cable Assemblies  
and Fittings for Industrial Control and Signal Distribution

**Additional Information:** See the UL Online Certifications Directory at  
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The UL Recognized Component Mark for the U.S. generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions. The UL Recognized Component Mark for Canada consists of the UL Recognized Mark for Canada:  and the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140204-E302391  
**Report Reference** E302391-20130110  
**Issue Date** 2014-FEBRUARY-04

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

Female Cable fittings, Series 825, Cat. Nos. 99-3730-810-04, 99-3728-810-04, 99-3730-820-04, 99-3728-820-04, 09-5246-00-04.

Series 715, Cat. Nos. 99-1430-810-04, 99-1436-810-05, 99-1436-910-05, 99-1436-935-05, 99-1438-810-05, 99-1438-910-05, 99-1430-995-04, 99-1436-995-05, 99-1430-820-04, 99-1436-820-05, 99-1436-920-05, 99-1438-820-05, 99-0430-15-04, 99-0430-110-04, 99-0436-15-05, 99-0436-110-05, 99-0430-05-04, 99-0430-165-04, 99-0436-05-05, 99-0436-165-05.

Series 713, Cat. Nos. 99-0430-10-04, 99-0430-30-04, 99-0430-57-04, 99-0436-10-05, 99-0436-57-05, 99-0430-07-04, 99-0430-158-04, 99-0430-14-04, 99-0430-12-04, 99-0436-14-05, 99-0436-12-05, 99-0486-12-08, 99-0492-12-12, 99-0430-82-04, 99-0430-282-04, 99-0436-82-05, 99-0436-282-05, 99-0486-282-08, 99-0430-142-04, 99-0436-142-05, 99-0430-287-04, 99-0436-287-05, 99-0486-287-08, 99-0430-00-04, 99-0430-20-04, 99-0430-69-04, 99-0430-68-04, 99-0436-00-05, 99-0436-69-05, 99-0430-27-04, 99-0430-161-04, 99-0430-24-04, 99-0430-52-04, 99-0436-24-05, 99-0436-52-05, 99-0492-52-12, 99-0430-92-04, 99-0430-292-04, 99-0436-92-05, 99-0436-292-05, 99-1430-814-04, 99-1430-812-04, 99-1436-814-05, 99-1436-812-05, 99-1486-812-08, 99-1492-812-12, 99-1486-914-08, 99-1432-814-04, 99-1438-814-05, 99-1488-814-08, 99-1488-812-08, 99-1430-991-04, 99-1430-992-04, 99-1436-991-05, 99-1436-992-05, 99-1486-992-08, 99-1430-824-04, 99-1430-822-04, 99-1436-824-05, 99-1436-822-05, 99-1492-822-12, 99-1432-824-04, 99-1438-824-05, 99-0486-186-08, 99-0436-186-05, 99-0430-186-04.

Male Cable fitting, Series 825, Cat. Nos. 99-3729-810-04, 99-3727-810-04, 99-3729-995-04, 99-3729-820-04, 99-3727-820-04, 09-5245-00-04.

Series 715, Cat. Nos. 99-1429-810-04, 99-1437-810-05, 99-1437-910-05, 99-1437-935-05, 99-1439-810-05, 99-1439-910-05, 99-1429-995-04, 99-1437-995-05, 99-1429-820-04, 99-1437-820-05, 99-1437-920-05, 99-1439-820-05, 99-0429-15-04, 99-0429-105-04, 99-0437-15-05, 99-0437-105-05, 99-0429-135-04, 99-0429-145-04, 99-0437-135-05, 99-0437-145-05, 09-5242-00-04.

Series 713, Cat. Nos. 99-0429-43-04, 99-0429-57-04, 99-0437-43-05, 99-0437-57-05, 99-0429-07-04, 99-0429-158-04, 99-0429-14-04, 99-0429-12-04, 99-0437-14-05, 99-0437-12-05, 99-0487-12-08, 99-0491-12-12, 99-0429-82-04, 99-0429-282-04, 99-0437-82-05, 99-0437-282-05, 99-0487-282-08, 99-0429-142-04, 99-0437-142-05, 99-0429-186-04, 99-0437-186-05, 99-0487-186-08, 99-0429-287-04, 99-0437-287-05, 99-0487-287-08, 99-0429-44-04, 99-0429-20-04, 99-0437-44-05, 99-0429-27-04, 99-0429-161-04, 99-0429-24-04, 99-0429-52-04, 99-0437-24-05, 99-0437-52-05, 99-0491-52-12, 99-0429-92-04, 99-0429-292-04, 99-0437-92-05, 99-0437-292-05, 99-0429-162-04, 99-0437-162-05, 99-0429-286-04, 99-0437-286-05, 99-1429-814-04, 99-1429-812-04, 99-1437-814-05, 99-1437-812-05, 99-1487-812-08, 99-1491-812-12, 99-1487-914-08, 99-1431-814-04, 99-1439-814-05, 99-1489-814-08, 99-1489-812-08, 99-1429-991-04, 99-1429-992-04, 99-1437-991-05, 99-1437-992-05, 99-1487-992-08, 99-1429-824-04, 99-1429-822-04, 99-1437-824-05, 99-1437-822-05, 99-1491-822-12, 99-1431-824-04, 99-1439-824-05.

Outlet, Series 825, Cat. No. 09-5246-00-04.

Inlet, Series 825, Cat. No. 09-5245-00-04. Series 715, Cat. No. 09-5242-00-04.



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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20130320-E302391  
**Report Reference** E302391-20130308  
**Issue Date** 2013-MARCH-20

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM GERMANY

**This is to certify that  
representative samples of**

COMPONENT - CABLE ASSEMBLIES AND FITTINGS  
FOR INDUSTRIAL CONTROL AND SIGNAL  
DISTRIBUTION

See Addendum Page

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

**Standard(s) for Safety:** See Addendum Page

**Additional Information:** See the UL Online Certifications Directory at  
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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20130320-E302391  
**Report Reference** E302391-20130308  
**Issue Date** 2013-MARCH-20

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

## Standards for Safety:

UL 2238, Standard for Cable Assemblies and Fittings for Industrial Control and Signal Distribution.  
CSA C22.2 No.182.3-M1987, Special Use Attachment Plugs, Receptacles and Connectors.

## Products Covered:

Female Outlets; M8 PCB Series 718, Cat. Nos. 99 3390 280 04, 99 3390 281 04, 99 3390 282 04, 99 3412 280 03, 99 3412 281 03, and 99 3412 282 03. M12 PCB Series 763, 766, and 876, Cat. Nos. 99 3432 200 04, 99 3432 202 04, 99 3432 458 04, 99 3432 601 04, 99 3442 200 05, 99 3442 202 05, 99 3442 458 05, 99 3442 601 05, 99 3482 200 08, 99 3482 458 08, 99 3732 200 04, 99 3732 201 04, 99 3732 202 04, 99 3732 203 04, 99 4442 200 05, 99 4442 202 05, 99 4442 458 05, 99 4442 601 05.

Male Inlets; M8 PCB Series 718, Cat. Nos. 99 3391 282 04 and 99 3403 282 03. M12 PCB Series 763, 766, and 876, Cat. Nos. 99 3431 200 04, 99 3431 202 04, 99 3431 458 04, 99 3431 601 04, 99 3441 200 05, 99 3441 202 05, 99 3441 458 05, 99 3441 601 05, 99 3481 200 08, 99 3481 458 08, 99 3731 200 04, 99 3731 201 04, 99 3731 202 04, 99 3731 203 04, 99 4445 200 05, 99 4445 202 05, 99 4445 458 05, 99 4445 601 05.



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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20141206-E302391  
**Report Reference** E302391-20140203  
**Issue Date** 2014-DECEMBER-06

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG, ROETELSTRASSE 27  
74172 NECKARSULM GERMANY

**This is to certify that  
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COMPONENT - CABLE ASSEMBLIES AND FITTINGS  
FOR INDUSTRIAL CONTROL AND SIGNAL  
DISTRIBUTION

See next page for Models

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

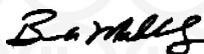
**Standard(s) for Safety:** UL 2238, The Standard for Safety for Cable Assemblies  
and Fittings for Industrial Control and Signal Distribution  
the Canadian Standard C22.2 No. 182.3-M1987 Update no.  
4

**Additional Information:** See the UL Online Certifications Directory at  
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than for direct separate installation in the field. The final acceptance of the component is dependent upon its  
installation and use in complete equipment submitted to UL LLC.

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Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20141206-E302391  
**Report Reference** E302391-20140203  
**Issue Date** 2014-DECEMBER-06

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

## Female Cable fittings,

Series 813, Cat. Nos. 99-0630-19-04, 99-0630-58-04.

Series 814, Cat. Nos. 99-0690-19-04, 99-0690-58-04.

Series Power 713, Cat. Nos. 99-0430-19-04, 99-0430-58-04, 99-0436-19-05, 99-0436-58-05.

## Male Cable fitting,

Series 813, Cat. Nos. 99-0629-19-04, 99-0629-58-04.

Series 814, Cat. Nos. 99-0689-19-04, 99-0689-58-04.

Series Power 713, Cat. Nos. 99-0429-19-04, 99-0429-58-04, 99-0437-19-05, 99-0437-58-05.

## Outlet,

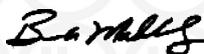
Series 813, Cat. Nos. 99-0634-500-04, 09-0632-700-04, 09-0632-120-04,  
09-0632-90-04.

Series 814, Cat. Nos. 99-0694-500-04, 09-0692-700-04.

Series Power 713, Cat. Nos. 99-0432-500-04, 99-0434-500-05, 99-0382-500-08, 09-3432-433-04, 09-3442-433-05.

## Inlet,

Series 813, Cat. Nos. 99-0633-500-04, 09-0631-700-04, 09-0631-120-04,  
09-0631-90-04.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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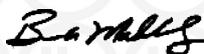
# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20141206-E302391  
**Report Reference** E302391-20140203  
**Issue Date** 2014-DECEMBER-06

Series 814, Cat. Nos. 99-0693-500-04, 09-0691-700-04.

Series Power 713, Cat. Nos. 99-0431-500-04, 99-0433-500-05, 99-0381-500-08, 09-3431-433-04, 09-3441-433-05.

Male-to-Male configurations are not covered due to accessibility of live parts.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140403-E302391  
**Report Reference** E302391-20140401  
**Issue Date** 2014-APRIL-03

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27 74172 NECKARSULM GERMANY

**This is to certify that  
representative samples of**

COMPONENT - CABLE ASSEMBLIES AND FITTINGS  
FOR INDUSTRIAL CONTROL AND SIGNAL  
DISTRIBUTION

REFER TO ADDENDUM PAGE FOR MODELS

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

**Standard(s) for Safety:** UL 2238 STANDARD FOR CABLE ASSEMBLIES AND  
FITTINGS FOR INDUSTRIAL CONTROL AND SIGNAL  
DISTRIBUTION

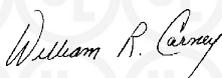
**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs

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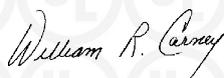
# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20140403-E302391  
**Report Reference** E302391-20140401  
**Issue Date** 2014-APRIL-03

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

USR Cable Assemblies, Cat. Nos. 99 6501 000 08 and 99 6502 000 08

USR Panel Mount Fittings, Cat. Nos. 09 6504 000 08 and 09 6503 000 08



William R. Carney, Director, North American Certification Programs  
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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150220-E302391  
**Report Reference** E302391-20110705  
**Issue Date** 2015-FEBRUARY-20

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM GERMANY

**This is to certify that  
representative samples of**

CABLE ASSEMBLIES AND FITTINGS FOR INDUSTRIAL  
CONTROL AND SIGNAL DISTRIBUTION

See Addendum Page

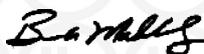
Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 2238 and C22.2 No. 182.3-M1987, Cable Assemblies  
and Fittings for Industrial Control and Signal Distribution

**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150220-E302391  
**Report Reference** E302391-20110705  
**Issue Date** 2015-FEBRUARY-20

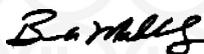
This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Male Cable Fittings - Series 718, Cat. Nos. 77, followed by 3405, 3403, 3705 and 3703 followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8 followed by 00, 01, 03, 10, 12, 13 or 20 followed by 03, 04 or 06, followed by any four digits (XXXX).

Female Cable Fittings - Series 718, Cat. Nos. 77, followed by 3406, 3408, 3608, 3208, 3706, 3708 and 3808 followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8 followed by 00, 01, 03, 10, 12, 13 or 20 followed by 03, 04 or 06, followed by any four digits (XXXX).

Cable Assemblies - Series 718, Cat. Nos. 77, followed by 3405, 3403, 3406, 3408, 3608, 3208, 3705, 3703, 3706, 3708, or 3808, followed by 3405, 4303, 3406, 3408, 3608, 3208, 3705, 3703, 3706, 3708, or 3808, followed by 2, 3, 4, 5, 6, 7 or 8 followed by 00, 01, 03, 10, 12, 13 or 20 followed by 03, 04 or 06, followed by any four digits (XXXX).

Male-to-Male configurations are not covered due to accessibility of live parts.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150220-E302391  
**Report Reference** E302391-20120427  
**Issue Date** 2015-FEBRUARY-20

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM GERMANY

**This is to certify that  
representative samples of**

CABLE ASSEMBLIES AND FITTINGS FOR INDUSTRIAL  
CONTROL AND SIGNAL DISTRIBUTION

See Addendum Page

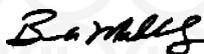
Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 2238 and C22.2 No. 182.3-M1987, Cable Assemblies  
and Fittings for Industrial Control and Signal Distribution

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Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150220-E302391  
**Report Reference** E302391-20120427  
**Issue Date** 2015-FEBRUARY-20

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

Male Cable Fittings, Series 763, Cat. Nos. 77 followed by 2527, 2529, 2827, 2829, 2927, 2929, 3227, 3229, 3327, 3329, 3427, 3429, 3527, 3529, 3627, 3629, 3727, 3729, 3827, 3829, 4627 or 4629, followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 07, 10, 11, 12, 13, 17, 18, 20, 21, 30 or 37, followed by 03, 04, 05, 08 or 12, followed by any four digits (XXXX).

Male Cable Fittings, Series 766, Cat. Nos. 77 followed by 4227, 4229, 4327, 4329, 4427, 4429, 4927 or 4929, followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 07, 10, 11, 12, 13, 17, 18, 20, 21, 30 or 37, followed by 02, 03, 04 or 05, followed by any four digits (XXXX).

Male Cable Fittings, Series 866, Cat. Nos. 77 followed by 4703, 4705, 4727, 4729, 4827 or 4829, followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 07, 10, 11, 12, 13, 17, 18, 20, 21, 30 or 37, followed by 03, 04 or 05, followed by any four digits (XXXX).

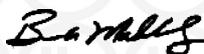
Male Cable Fittings, Series 876, Cat. Nos. 77 followed by 4527 or 4529, followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 07, 10, 11, 12, 13, 17, 18, 20, 21, 30 or 37, followed by 03, 04, 05 or 08 followed by any four digits (XXXX).

Female Cable Fittings, Series 763, Cat. No. 77 followed by 2530, 2534, 2830, 2834, 2930, 2934, 3030, 3034, 3134, 3230, 3234, 3330, 3334, 3430, 3434, 3530, 3534, 3630, 3634, 3730, 3734, 3830, 3834, 3930, 3934, 4630, 4634 or 5134, followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8 followed by 00, 01, 03, 07, 10, 11, 12, 13, 17, 18, 20, 21, 30 or 37, followed by 03, 04, 05, 08 or 12, followed by any four digits (XXXX).

Female Cable Fittings, Series 766, Cat. No. 77 followed by 4230, 4234, 4330, 4334, 4430, 4434, 4930 or 4934, followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8 followed by 00, 01, 03, 07, 10, 11, 12, 13, 17, 18, 20, 21, 30 or 37, followed by 02, 03, 04 or 05, followed by any four digits (XXXX).

Female Cable Fittings, Series 866, Cat. No. 77 followed by 4706, 4708, 4730, 4734, 4830 or 4834, followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8 followed by 00, 01, 03, 07, 10, 11, 12, 13, 17, 18, 20, 21, 30 or 37, followed by 03, 04 or 05, followed by any four digits (XXXX).

Female Cable Fittings, Series 876, Cat. No. 77 followed by 4530 or 4534, followed by 0000, followed by 2, 3, 4, 5, 6, 7 or 8 followed by 00, 01, 03, 07, 10, 11, 12, 13, 17, 18, 20, 21, 30 or 37, followed by 03, 04, 05 or 08, followed by any four digits (XXXX).



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150220-E302391  
**Report Reference** E302391-20120427  
**Issue Date** 2015-FEBRUARY-20

Cable Assemblies, Series 763, 766, 866 or 876, Cat. No. 77 followed by 2527, 2529, 2827, 2829, 2927, 2929, 3227, 3229, 3327, 3329, 3427, 3429, 3527, 3529, 3627, 3629, 3727, 3729, 3827, 3829, 4227, 4229, 4327, 4329, 4427, 4429, 4527, 4529, 4627, 4629, 4703, 4705, 4727, 4729, 4827, 4829, 4927, 4929, 2530, 2534, 2830, 2834, 2930, 2934, 3030, 3034, 3134, 3230, 3234, 3330, 3334, 3430, 3434, 3530, 3534, 3630, 3634, 3730, 3734, 3830, 3834, 3930, 3934, 4230, 4234, 4330, 4334, 4430, 4434, 4530, 4534, 4630, 4634, 4706, 4708, 4730, 4734, 4830, 4834, 4930, 4934 or 5134, followed by 2530, 2534, 2830, 2834, 2930, 2934, 3030, 3034, 3134, 3230, 3234, 3330, 3334, 3430, 3434, 3530, 3534, 3630, 3634, 3730, 3734, 3830, 3834, 3930, 3934, 4230, 4234, 4330, 4334, 4430, 4434, 4530, 4534, 4630, 4634, 4706, 4708, 4730, 4734, 4830, 4834, 4930, 4934, 5134, 2527, 2529, 2827, 2829, 2927, 2929, 3227, 3229, 3327, 3329, 3427, 3429, 3527, 3529, 3627, 3629, 3727, 3729, 3827, 3829, 4227, 4229, 4327, 4329, 4427, 4429, 4527, 4529, 4627, 4629, 4703, 4705, 4727, 4729, 4827, 4829, 4927 or 4929 followed by 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 07, 10, 11, 12, 13, 17, 18, 20, 21, 30 or 37, followed by 02, 03, 04, 05, 08 or 12, followed by any four digits (XXXX).

Cable Assemblies, Series 718-763 (M8-M12) Cat. No. 77 followed by 3208, 3403, 3405, 3406, 3408, 3608, 3703, 3705, 3706, 3708, 3808, 2827, 2829, 2830, 2834, 2927, 2929, 2930, 2934, 3030, 3034, 3134, 3227, 3229, 3230, 3234, 3327, 3329, 3330, 3334, 3427, 3429, 3430, 3434, 3627, 3629, 3630, 3634, 3727, 3729, 3730, 3734, 3827, 3829, 3830, 3834, 3930, 3934, 4627, 4629 or 5134 followed by 3403, 3405, 3406, 3408, 3608, 3208, 3703, 3705, 3706, 3708, 3808, 2827, 2829, 2830, 2834, 2927, 2929, 2930, 2934, 3030, 3034, 3134, 3227, 3229, 3230, 3234, 3327, 3329, 3330, 3334, 3427, 3429, 3430, 3434, 3627, 3629, 3630, 3634, 3727, 3729, 3730, 3734, 3827, 3829, 3830, 3834, 3930, 3934, 4627, 4629 or 5134 followed by 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 10, 12, 13 or 20 followed by 03 or 04, followed by any four digits (XXXX).

Cable Assemblies, Series 718-766 (M8-M12) Cat. No. 77 followed by 3208, 3403, 3405, 3406, 3408, 3608, 3703, 3705, 3706, 3708, 3808, 4227, 4229, 4230, 4234, 4427, 4429, 4430, 4434 or 5134 followed by 3403, 3405, 3406, 3408, 3608, 3208, 3703, 3705, 3706, 3708, 3808, 4227, 4229, 4230, 4234, 4427, 4429, 4430, 4434 or 5134 followed by 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 10, 12, 13 or 20 followed by 03 or 04, followed by any four digits (XXXX).

Male-to-Male configurations are not covered due to accessibility of live parts.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150220-E302391  
**Report Reference** E302391-20121011  
**Issue Date** 2015-FEBRUARY-20

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM GERMANY

**This is to certify that  
representative samples of**

CABLE ASSEMBLIES AND FITTINGS FOR INDUSTRIAL  
CONTROL AND SIGNAL DISTRIBUTION

See Addendum Page

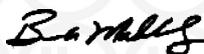
Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 2238 and C22.2 No. 182.3-M1987, Cable Assemblies  
and Fittings for Industrial Control and Signal Distribution

**Additional Information:** See the UL Online Certifications Directory at  
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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150220-E302391  
**Report Reference** E302391-20121011  
**Issue Date** 2015-FEBRUARY-20

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

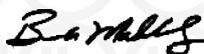
Male Cable Fittings, Series 870, Cat. Nos. 77 followed by 1329, 1327, 1429, 1427, 1529 or 1527 followed by 0000, followed by 1, 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 10, 11, 13, 20, 21 or 30, followed by 03, 04 or 05, followed by any four digits (XXXX).

Female Cable Fittings, Series 870, Cat. Nos. 77 followed by 1330, 1334, 1430, 1434, 1530 or 1534 followed by 0000, followed by 1, 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 10, 11, 13, 20, 21 or 30, followed by 03, 04 or 05, followed by any four digits (XXXX).

Cable Assemblies, Series 870, Cat. Nos. 77 followed by 1329, 1327, 1429, 1427, 1529 or 1527 followed by 1330, 1334, 1430, 1434, 1530 or 1534 followed by 1, 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 10, 11, 13, 20, 21, or 30, followed by 03, 04, or 05, followed by any four digits (XXXX).

Cable Assemblies, Series 870, Cat. Nos. 77 followed by 1330, 1334, 1430, 1434, 1530 or 1534 followed by 1329, 1327, 1429, 1427, 1529 or 1527 followed by 1, 2, 3, 4, 5, 6, 7 or 8, followed by 00, 01, 03, 10, 11, 13, 20, 21, or 30, followed by 03, 04, or 05, followed by any four digits (XXXX).

Male-to-Male configurations are not covered due to accessibility of live parts.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20130927-E363498  
**Report Reference** E363498-20130927  
**Issue Date** 2013-SEPTEMBER-27

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27  
74172 NECKARSULM GERMANY

**This is to certify that  
representative samples of**

COMPONENT - COMMUNICATIONS-, AUDIO/VIDEO-,  
DATA- AND OTHER SIGNALING-CIRCUIT  
ACCESSORIES

Please see addendum

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

**Standard(s) for Safety:** Communications-Circuit Accessories, UL 1863. Plugs,  
Receptacles and Connectors for Communication Systems,  
CAN/CSA C22.2, No. 182.4-M90

**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Recognized Component Marks for the U.S. and Canada should be considered as being covered by UL's Recognition and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

The UL Recognized Component Mark for the U.S. generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions. The UL Recognized Component Mark for Canada consists of the UL Recognized Mark for Canada:  and the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.



William R. Carney, Director, North American Certification Programs

UL LLC

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20130927-E363498  
**Report Reference** E363498-20130927  
**Issue Date** 2013-SEPTEMBER-27

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

M12 Socket Connectors, Models 09 3782 91 08, 09 3782 95 08, 09 3782 200 08, 99 3782 200 08 and 99 3782 210 08.



William R. Carney, Director, North American Certification Programs  
UL LLC

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## ECBT2.E93427

## Connectors for Use in Data, Signal, Control and Power Applications - Component

[Page Bottom](#)

## Connectors for Use in Data, Signal, Control and Power Applications - Component

[See General Information for Connectors for Use in Data, Signal, Control and Power Applications - Component](#)

FRANZ BINDER GMBH &amp; CO. ELEKTRISCHE BAUELEMENTE KG

E93427

ROETELSTRASSE 27

74172 NECKARSULM, GERMANY

Appliance inlets, "693-3 Series", Model(s) 09-4203-00-07, 09-4219-00-07, 09-4223-00-04, 09-4227-00-07

Attachment plugs, angle, "713 Series", Model(s) 99-0429-24-04, 99-0429-377-04, 99-0429-52-04, 99-0437-24-05, 99-0437-377-05, 99-0437-52-05

Attachment plugs, angle, "815 Series", Model(s) 99-2429-24-03, 99-2429-52-03

Attachment plugs, angle, "820 Series", Model(s) 99-2441-152-03, 99-2441-52-03, 99-2441-552-03, 99-2443-152-04, 99-2443-52-04, 99-2443-552-04, 99-2445-152-05, 99-2445-52-05, 99-2445-552-05

Attachment plugs, right angle, "693-1 Series", Model(s) 99-4201-70-07, 99-4217-70-07, 99-4221-70-04, 99-4225-70-07

Attachment plugs, straight, "693-1 Series", Model(s) 99-4201-00-07, 99-4201-110-07, 99-4201-14-07, 99-4201-160-07, 99-4217-00-07, 99-4217-110-07, 99-4217-14-07, 99-4217-160-07, 99-4221-00-04, 99-4221-110-04, 99-4221-14-04, 99-4221-160-04, 99-4225-00-07, 99-4225-110-07, 99-4225-14-07, 99-4225-160-07

Attachment plugs, straight, "713 Series", Model(s) 09-0439-369-04, 09-0449-384-05, 99-0429-12-04, 99-0429-14-04, 99-0429-378-04, 99-0437-12-05, 99-0437-14-05, 99-0437-378-05

Attachment plugs, straight, "715 Series", Model(s) 09-0439-370-04, 09-0449-395-05

Attachment plugs, straight, "717 Series", Model(s) 09-0529-21-05

Attachment plugs, straight, "815 Series", Model(s) 09-2431-00-03, 09-2431-09-03, 09-2431-19-03, 09-2431-20-01, 09-2431-84-02, 09-2431-85-02, 99-2429-12-03, 99-2429-14-03

Attachment plugs, straight, "820 Series", Model(s) 99-2441-112-03, 99-2441-12-03, 99-2441-132-03, 99-2441-21-03, 99-2441-32-03, 99-2441-42-03, 99-2441-512-03, 99-2441-532-03, 99-2443-112-04, 99-2443-12-04, 99-2443-132-04, 99-2443-21-04, 99-2443-32-04, 99-2443-42-04, 99-2443-512-04, 99-2443-532-04, 99-2445-112-05, 99-2445-12-05, 99-2445-132-05, 99-2445-21-05, 99-2445-32-05, 99-2445-42-05, 99-2445-512-05, 99-2445-532-05

Attachment plugs, straight, Model(s) 09-0449-887-05, 09-0449-888-05

Connector bodies, "MSD3 Series (Size A serial 210)", Model(s) 43-1700-XXX-03, 43-1702-XXX-04

Connector bodies, "MSD6 Series (Size B-Ind. serial 225)", Model(s) 43-1830-XXX-03

Connector bodies, "MSD8 Series (Size B-DIN serial 220)", Model(s) 43-1800-XXX-03

Connectors cord connectors, right angle, "693-2 Series", Model(s) 99-4202-70-07, 99-4218-70-07, 99-4222-70-04, 99-4226-70-07

Cord connectors, angle, "713 Series", Model(s) 09-0439-388-04, 09-0439-389-04, 09-0449-388-05, 09-0449-389-05, 99-0430-24-04, 99-0430-377-04, 99-0430-52-04, 99-0436-24-05, 99-0436-377-05, 99-0436-52-05

Cord connectors, angle, "815 Series", Model(s) 99-2430-24-03, 99-2430-52-03

Cord connectors, angle, "820 Series", Model(s) 09-3390-00-04, 09-3390-140-04, 09-3390-151-04, 09-3390-80-04, 09-3391-00-04, 09-3391-140-04, 09-3391-151-04, 09-3391-81-04, 09-3403-00-03, 09-3403-140-03, 09-3403-151-03, 09-3403-81-03, 09-3412-00-03, 09-3412-140-03, 09-3412-151-03, 09-3412-80-03, 09-3431-00-04, 09-3431-213-04, 09-3431-214-04, 09-3431-22-04, 09-3431-700-04, 09-3431-705-04, 09-3431-722-04, 09-3431-723-04, 09-3432-00-04, 09-3432-213-04, 09-3432-214-04, 09-3432-22-04, 09-3432-700-04, 09-3432-705-04, 09-3432-722-04, 09-3432-723-04, 09-3441-00-05, 09-3441-213-05, 09-3441-214-05, 09-3441-22-05, 09-3441-369-05, 09-3441-700-05, 09-3441-705-05, 09-3441-722-05, 09-3441-723-05, 09-3441-87-05, 09-3441-90-05, 09-3441-991-05, 09-3442-00-05, 09-3442-213-05, 09-3442-214-05, 09-3442-22-05, 09-3442-369-05, 09-3442-700-05, 09-3442-705-05, 09-3442-722-05, 09-3442-723-05, 09-3442-90-05, 99-2440-152-03, 99-2440-52-03, 99-2440-552-03, 99-2442-152-04, 99-2442-52-04, 99-2442-552-04, 99-2444-152-05, 99-2444-52-05, 99-2444-552-05

Cord connectors, straight, "693-2 Series", Model(s) 99-4202-00-07, 99-4202-110-07, 99-4202-14-07, 99-4202-160-07, 99-4218-00-07, 99-4218-110-07, 99-4218-14-07, 99-4218-160-07, 99-4222-00-04, 99-4222-110-04, 99-4222-14-04, 99-4222-160-04, 99-4226-00-07, 99-4226-110-07, 99-4226-14-07, 99-4226-160-07

Cord connectors, straight, "713 Series", Model(s) 99-0430-12-04, 99-0430-14-04, 99-0430-378-04, 99-0436-12-05, 99-0436-14-05, 99-0436-378-05

Cord connectors, straight, "815 Series", Model(s) 99-2430-12-03, 99-2430-14-03

Cord connectors, straight, "820 Series", Model(s) 99-2440-112-03, 99-2440-12-03, 99-2440-132-03, 99-2440-21-03, 99-2440-32-03, 99-2440-42-03, 99-2440-512-03, 99-2440-532-03, 99-2442-112-04, 99-2442-12-04, 99-2442-132-04, 99-2442-21-04, 99-2442-32-04, 99-2442-42-04, 99-2442-512-04, 99-2442-532-04, 99-2444-112-05, 99-2444-12-05, 99-2444-132-05, 99-2444-21-05, 99-2444-32-05, 99-2444-42-05, 99-2444-512-05, 99-2444-532-05

Plug, Model(s) "SP1 Series (Size A serial 210)", Model(s) 43-f/b 1701, 1709, 1713, 1717 or 1721 followed by XXX, followed by 03 (Report Date: 1994-02-10) and Model(s) 43 followed by 1703, 1711, 1715, 1719 or 1723 followed by XXX, followed by 04

Receptacles, "693-4 Series", Model(s) 09-4204-00-07, 09-4220-00-07, 09-4224-00-04, 09-4228-00-07

, "693-1 Series", Model(s) 99-4201-210-07, 99-4201-215-07, 99-4217-210-07, 99-4217-215-07, 99-4221-210-04, 99-4221-215-04, 99-4225-210-07, 99-4225-215-07

, "693-2 Series", Model(s) 99-4202-210-07, 99-4202-215-07, 99-4218-210-07, 99-4218-215-07, 99-4222-210-04, 99-4222-215-04, 99-4226-210-07, 99-4226-215-07

, "693-3 Series", Model(s) 09-4227-111-07



Marking: Company name or trademark  and model designation on the device or carton.

Last Updated on 2013-12-06

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131206-E93427  
**Report Reference** E93427-19960130  
**Issue Date** 2013-DECEMBER-06

**Issued to:** FRANZ BINDER GMBH & CO. ELEKTRISCHE  
BAUELEMENTE KG  
ROETELSTRASSE 27,  
74172 NECKARSULM GERMANY.

**This is to certify that  
representative samples of**

COMPONENT - CONNECTORS FOR USE IN DATA, SIGNAL,  
CONTROL AND POWER APPLICATIONS

See Addendum Page for Models/Product

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

**Standard(s) for Safety:**

UL 1977, Component Connectors for Use in Data, Signal, Control  
and Power Applications.  
CAN/CSA C22.2 No. 182.3-M1987, Special Use Attachment  
Plugs, Receptacles and Connectors

**Additional Information:**

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Only those products bearing the UL Recognized Component Marks for the U.S. and Canada should be considered as being covered by UL's Recognition and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

The UL Recognized Component Mark for the U.S. generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions. The UL Recognized Component Mark for Canada consists of the UL Recognized Mark for Canada:  and the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

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William R. Carney, Director, North American Certification Programs

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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20131206-E93427  
**Report Reference** E93427-19960130  
**Issue Date** 2013-DECEMBER-06

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

USR, CNR - Component - Receptacles, Cord Connectors, Attachment Plugs Series 713, 715, 717, 815 and 820.

The Cat. Nos. for the above series may be identified as follows:

Series 713:

ATTACHMENT PLUGS, STRAIGHT:

99-0429-14-04,-378-04,09-0439-369-04,09-0439-389-04,09-0439-388-04,99-0429-12-04,99-0437-14-05,-378-05,09-0449-384-05, 09-0449-389-05,09-0449-388-05,09-0449-887-05,09-0449-888-05,99-0437-12-05

ATTACHMENT PLUGS, ANGLE: 99-0429-24-04,-377-04 ,99-0429-52-04,99-0437-52-05, 99-0437-24-05,-377-05

CORD CONNECTORS, STRAIGHT: 99-0430-14-04,-378-04, 99-0430-12-04,99-0436-14-05,-378-05,99-0436-12-05,

CORD CONNECTORS, ANGLE: 99-0430-24-04,-377-04,99-0430-52-04,99-0436-24-05,-377-05,99-0436-52-05

Series 715:

ATTACHMENT PLUGS, STRAIGHT: 09-0439-370-04, 09-0449-395-05

Series 717:

ATTACHMENT PLUGS, STRAIGHT : 09-0529-21-05

Series 815:

ATTACHMENT PLUGS, STRAIGHT: 09-2431-00-03, 09-2431-09-03,99-2429-14-03,99-2429-12-03, 09-2431-19-03, 09-2431-20-01, 09-2431-84-02,09-2431-85-02.

ATTACHMENT PLUGS, ANGLE: 99-2429-24-03, 99-2429-52-03

CORD CONNECTOR, STRAIGHT: 99-2430-14-03, 99-2430-12-03



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**Issue Date** 2013-DECEMBER-06

CORD CONNECTOR, ANGLE: 99-2430-24-03, 99-2430-52-03

Series 820:

ATTACHMENT PLUGS, STRAIGHT: 99-2441-12-03,99-2441-21-03,99-2441-32-03,99-2441-42-03,99-2443-12-04,99-2443-21-04,99-2443-32-04,99-2443-42-04,99-2445-12-05,99-2445-21-05,99-2445-32-05,99-2445-42-05

ATTACHMENT PLUGS, ANGLE: 99-2441-52-03, 99-2443-52-04, 99-2445-52-05

CORD CONNECTOR, STRAIGHT: 99-2440-12-03,99-2440-21-03,99-2440-32-03,99-2440-42-03,99-2442-12-04,99-2442-21-04,99-2442-32-04,99-2442-42-04,99-2444-12-05,99-2444-21-05,99-2444-32-05,99-2444-42-05

CORD CONNECTOR, ANGLE: 99-2440-52-03,99-2442-52-04,99-2444-52-05



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