

Zertifikat Certificate



Zertifikat Nr. *Certificate No.*
R 50079865

Blatt *Page*
0005

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum	<i>Date of Issue</i> (day/mo/yr)
K.S.	ZJL-YTS- 12012153 005	12.06.2024	

Genehmigungsinhaber *License Holder*
Hirose Electric Co., Ltd.
2-6-3 Nakagawa-Chuo, Tsuzuki-ku
Yokohama-shi, Kanagawa
224-8540 Japan

Fertigungsstätte *Manufacturing Plant*
Ichinoseki Hirose Electric Co., Ltd.
14-36 Higashidai
Ichinoseki-shi, Iwate
021-0822 Japan

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 61984:2009



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Connector as page 0001

Addition

For Type Designation LF10WBw-4yz
Suffix w: w = PD, RB

Factory: (see above)

Change

Protection Degree: IP67
changed to: IP68 (1.8m, 48.0h)



ANLAGE (Appendix): 1.1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

Zertifizierungsstelle

Dipl.-Ing. (FH) F. Becker

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Certificate No. R50079865
Our reference ZJL-YTS-12012153 005
Appendix No. 1.1



(To be filled in by TÜV Rheinland)

Constructional Data Form

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License holder: Hirose Electric Co., Ltd.
2-6-3 Nakagawa Chuoh, Tsuzuki-ku, Yokohama 224-8540, Japan

Factory:
(Full address) Ichinoseki Hirose Electric Co., Ltd.
14-36 Higashidai, Ichinoseki-shi, Iwate 021-0822 Japan
HIROSE ELECTRIC (SUZHOU) CO., LTD.
No.375 Fengting Road, Suzhou Industrial Park, Suzhou Jiangsu 215121 P.R. China

Type or Model Number:

Plug	Receptacle	Jack
LF10WBP-4P(zz), LF10WBP-4S(zz)	LF10WBR-4P(zz), LF10WBR-4S(zz)	LF10WBJ-4P(zz), LF10WBJ-4S(zz)
LF10WBPD-4P(zz), LF10WBPD-4S(zz)	LF10WBRB-4P(zz), LF10WBRB-4S(zz)	

Kind of device: Connector without breaking capacity

Specifications	
Type designation	LF10WBP-4P(zz), LF10WBP-4S(zz), LF10WBPD-4P(zz), LF10WBPD-4S(zz), LF10WBR-4P(zz), LF10WBR-4S(zz), LF10WBRB-4P(zz), LF10WBRB-4S(zz), LF10WBJ-4P(zz), LF10WBJ-4S(zz)
Contact material	Copper alloy, plating optional
Number of poles	4
Rated voltage	AC / DC 125 V
Rated current	10 A
Rated frequency	50 / 60 Hz
Mechanical endurance	1000 times
Number of bendings (non-rewirable terminals only)	N/A
Classification	<input type="checkbox"/> CBC <input checked="" type="checkbox"/> Non CBC <input type="checkbox"/> other:
Upper limit temperature	85 °C
Lower limit temperature	- 25 °C
Max. ambient temp. at rated current	30 °C
IP code	IP 68 (1.8 m, 48 hs)

TÜV Rheinland

Yokohama, Japan

2024-06-06

(Place)

(Date)

2024-06-06

Y.Tsushima

(Date)

(Signature)

Hirose Electric Co., Ltd.

Kenichi SATO

(Stamp and Signature of Applicant)

Constructional Data Form

Insulation Coordination	
Overvoltage category	III
Pollution degree	3
Test voltages	contact – contact :2,500 V shell – contact :2,500 V
Minimum creepage distances	contact – contact :2.90 mm shell – contact :2.58 mm
Minimum clearance	contact – contact :1.90 mm shell – contact :1.57 mm
Insulation system (acc. IEC 60664-1)	contact– contact: <input checked="" type="checkbox"/> basic <input type="checkbox"/> reinforced <input type="checkbox"/> N/A shell – contact: <input type="checkbox"/> basic <input checked="" type="checkbox"/> reinforced <input type="checkbox"/> N/A

Specifications (terminals)	
Type of terminals	<input type="checkbox"/> WRAPPED CONNECTION <input type="checkbox"/> CRIMPED CONNECTION <input type="checkbox"/> CLIP CONNECTION <input type="checkbox"/> PRESS-IN CONNECTIONS <input type="checkbox"/> INSULATION DISPLACEMENT CONNECTION <input type="checkbox"/> SCREWLESS TERMINALS <input type="checkbox"/> SCREW TERMINALS <input type="checkbox"/> FLAT, QUICK CONNECT TERMINATIONS <input type="checkbox"/> SOLDER TERMINALS <input checked="" type="checkbox"/> other: SOLDER CONNECTION
Spec. Tightening torque	N/A
Rated cross section of conductor	1.3 mm ² (AWG 16)
Kind of conductor	Flexible
Required preparation of the conductor	N/A
Max. Stripping length	Male contact: 3 mm Female contact: 3 mm
Max. Number of conductors per terminal	1

Materials	
Contact material	Copper alloy, plating optional.
Contact block	PPS, DIC Corporation, FZ-1130-D5, CTI:170, Max Temp.130 °C PPS, DIC Corporation, FZ-1130-D5 BLACK-U, CTI:170, Max Temp. 130 °C
Connector body	Zinc alloy
Other parts	Copper alloy (ground clamp , spring , ground ring) stainless steel (retaining ring , washer) Chloroprene rubber (O-ring , gasket) PA (cable clamp)

TÜV Rheinland

Yokohama, Japan

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Hirose Electric Co., Ltd.

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Constructional Data Form

TYPE NOMENCLATURE:

Example

LF 10 W B P - 4 S (zz)
t u v w x y aa

LF: Series name

t: Shell Size
10

u: Type
W : waterproof

v: Locking type
B : bayonet lock

w: Connector Configuration
P : Plug
PD : Plug, easy lock type
R : Receptacle
RB : Receptacle, rear mount type
J : Jack

x: Number of contacts
4

y: Contact type
P: Male contact – solder connection
S: Female contact – solder connection

aa: Customer specifications (packaging and color)
none or (01) to (99)

TÜV Rheinland


Yokohama, Japan

2024-06-06

(Place)

(Date)

2024-06-06
(Date)


Y. Tsushima
(Signature)

Hirose Electric Co., Ltd.


Kenichi SATO

(Stamp and Signature of Applicant)