

Zertifikat Certificate



Zertifikat Nr. *Certificate No.*
R 9950703

Blatt *Page*
15

Ihr Zeichen *Client Reference*
K.S.

Unser Zeichen *Our Reference*
ZJL-- 09961416 011

Ausstellungsdatum
19.02.2025

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

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

Fertigungsstätte *Manufacturing Plant*

Koriyama Hirose Electric Co., Ltd.
1-19 Kamiizushima,
Koriyama, Fukushima,
963-1311 Japan

Prüfzeichen *Test Mark*

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



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 2000000000

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Connector as page 01

Addition

Type Designation: DF22\$#-nEP-7.92A-3PRT(YY) - (Adapter) 5
\$: B or BA
#: A, B, C, R, L, AR, AL, BR, BL, CR,
CL or blank
n: 2 or 3
(YY): (01)-(99) or blank

Change

Type Designation: DF22k-nS-7.92C- (c)
changed to: DF22\$#-nS-7.92C(YY) - (Socket)
\$: S or blank
#: A, B, C, R, L, AR, AL, BR, BL, CR,
CL or blank
n: 1 - 5
(YY): (01)-(99) or blank



5

ANLAGE (Appendix): 1.5

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

Vilmos Sztaroveczki


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

Constructional Data Form: Connector

Applicant: Hirose Electric Co., Ltd.
Full Address: 2-6-3 NakagawaChuoh, Tsuzuki-Ku, Yokohama 224-8540 Japan

Factory: Koriyama Hirose Electric Co., Ltd.
Full Address: 1-19 Kamiizushima, Koriyama, Fukushima, 963-1311 Japan
Hirose Electric (Dongguan) Co., Ltd.
Shen Gjing Gong Ye Qu Su Xin Gun Lu Duar, Chan Ma Gong Lu Cang Ping Zhen,
Dong Guan City GUANG DONG PROVINCE P.R. CHINA

Kind of Equipment: Connector
Type Designation: DF22 series (refer to pages 3 to 5)

Mark of Origin: 

Dimensions: Refer to drawing

Weight: -

Parts: Pin header, Plug and socket housing, Retainer, Contact

Materials: Header, Housing and Retainer: Polyamide (PA)
Contact: Copper Alloy

Operation instructions:

- AC/DC 600 V
- For Crimp contact type DF22a-1012b
- AWG10
32 A (1 contact): 30 A (2 or 3 contacts): 28 A (4 contacts): 27 A (5 contacts)
 - AWG12
26 A (1 contact): 25 A (2 contacts): 24 A (3 contacts): 23 A (4 or 5 contacts)
- For Crimp contact type DF22a-1416b
- AWG14
20 A (1 contact): 18 A (2 or 3 contacts): 16 A (4 or 5 contacts)
 - AWG16
15 A (1, 2 or 3 contacts): 14 A (4 or 5 contacts)
- Wire attachment: Crimp type
 - Locked/Non locked: Locked

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2025/02/17

(Date)


(Signature)

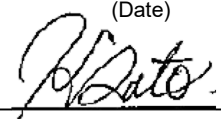
Yokohama, Japan

(Place)

17 February 2025

(Date)

Hirose Electric Co., Ltd. Kenichi SATO
(Stamp and Signature of Applicant)



Constructional Data Form: Connector

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Other technical information:

Rated Voltage : see "Operation instructions"
Rated Current : see "Operation instructions"
Temperature Range : -35 to 85 °C (including temperature rise)
Protection Degree : IP 00
Lifetime cycles : 30 cycles for tin plating, 300 cycles for gold plating: (Customer specifications)
Number of Contact : 1 to 5
Overvoltage category : II
Pollution degree : 2
Creepage distance : 6.4 mm (for type DF22-, DF22A-, DF22B- or DF22C-)
Clearance : 3.42 mm (for type DF22- or DF22A-), 5.6 mm (for type DF22B- or DF22C)

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(Date)


(Signature)

Yokohama, Japan

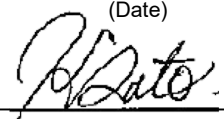
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Constructional Data Form: Connector

Type nomenclature: Pin Header

DF22# – n P – 7.92\$ (YY)

DF22: series name

#: keying, A, B, C, R, L, AR, AL, BR, BL, CR, CL, or blank.

n: number of contacts, 1 – 5

P: type (Pin Header)

7.92: contact pitch

\$: kind of terminal: DSA (straight pin header) DS (right angle pin header)

(YY): customer specifications, blank or (01) - (99)

Socket

(1) DF22\$# – n S – 7.92C (YY)

DF22: series name

\$: lock type, S (side lock) or Blank (center lock)

#: keying, A, B, C, R, L, AR, AL, BR, BL, CR, CL, or blank.

n: number of contacts, 1 - 5

S: type (Socket)

7.92: contact pitch

C: solderless terminal case

(YY): customer specifications, blank or (01) - (99)

(2) DF22# – 4 DS – 7.92C (YY)

DF22: series name

#: keying, B, C, R, L, AR, AL, BR, BL, CR, CL.

4: number of contacts, 4

DS: type (Socket)

7.92: contact pitch

Plug

(1) DF22# – q EP – 7.92C (YY)

DF22: series name

#: keying, A, R, L, AR, AL, or blank.

q: number of contacts, 1 – 3

EP: type (plug)

7.92: contact pitch

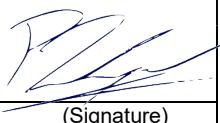
C: solderless terminal case

(YY): customer specifications, blank or (01) - (99)

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Yokohama, Japan

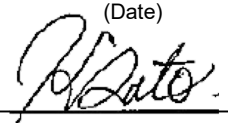
(Place)

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Constructional Data Form: Connector

(2) DF22# – 4 DEP – 7.92C (YY)

DF22: series name
#: keying, A, R, L, AR, AL, or blank.
4: number of contacts, 4
DEP: type (plug)
7.92: contact pitch

Adapter

DF22\$#-nEP-7.92A-3PRT(YY)

DF22: Series name
\$: kind of adapter type, B (flange type) or BA (non-flange type)
#: keying, A, B, C, R, L, AR, AL, BR, BL, CR, CL, or blank
n: number of contact 2-3
EP: type (Plug)
7.92: contact pitch
A: adapter case
3: number of branches
PRT: Branch adapter case
(YY): customer specifications, blank or (01)-(99)

Retainer

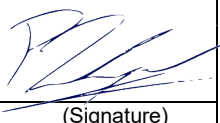
DF22 B/C – r RS/P – 7.92 (YY)

DF22: series name
B/C, RS/ P: type (Retainer)
r: number of contacts, 1 – 5
7.92: contact pitch
(YY): customer specifications, blank or (01) - (99)

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(Date)


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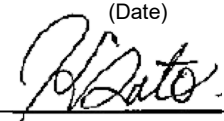
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Constructional Data Form: Connector

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Crimp contact

DF22a-w b (YY)

a: cramp type, A or blank

b: packaging and contact plating:

- SC (Socket contact separated and tin plating)
- SCA (Socket contact separated and gold plating)
- SCF (Socket contact reeled and tin plating)
- SCFA (Socket contact reeled and gold plating)
- PC (Plug contact separated and tin plating)
- PCA (Plug contact separated and gold plating)
- PCF (Plug contact reeled and tin plating)
- PCFA (Plug contact reeled and gold plating)

w: wire size, 1012 (AWG10 or AWG12 for Socket contact only) or
1416 (AWG14 or AWG16)

(YY): customer specifications, blank or (01) - (99)

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2025/02/17

(Date)


(Signature)

Yokohama, Japan

(Place)

17 February 2025

(Date)

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