

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 50117803

Blatt *Page*
0006

Ihr Zeichen *Client Reference*
PO#2713665408

Unser Zeichen *Our Reference*
ZJL-MAS- 12016271 003

Ausstellungsdatum
16.02.2021

Date of Issue
(day/mo/yr)

Genehmigungsinhaber *License Holder*

Tyco Electronics Japan G.K.
3-5-8 Hisamoto, Takatsu-ku
Kawasaki-shi, Kanagawa
213-8535 Japan

Fertigungsstätte *Manufacturing Plant*

TE Connectivity Connectors
(Suzhou) Co., LTD.
No. 33 Chunyao Road,
Caohu Subdistrict, Suzhou Xiangcheng
Economic Development Zone,
215000 Suzhou Jiangsu
P.R. China

Prüfzeichen *Test Mark*



Type Approved
Safety
Regular Production
Surveillance

www.tuv.com
ID 2000000000

Geprüft nach *Tested acc. to*

EN 61984:2009
IEC 61984:2008

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Connector Connector, as page 0001

Change

Rated Voltage, Overvoltage Category (OVC):

1)AC/DC 600V, OVC II; 2)AC/DC 300V, OVC III

changed to : 1)AC/DC 600V, OVC III; 2)AC/DC 400V, OVC III
3)AC/DC 630V, OVC II

Rated Current : 61A at $t_a = 20^\circ\text{C}$ (3-pole)

57A at $t_a = 20^\circ\text{C}$ (4-pole)

Derating use at higher ambient temperature than 20°C .

See Appendix 1.2 for details.

Pollution Degree:

1), 2) PD2

changed to:

1), 3) PD2; 2) PD3

Upper/Lower Limit Temperature: $+105^\circ\text{C}/-30^\circ\text{C}$

changed to:

$+105^\circ\text{C}/-55^\circ\text{C}$

Factory:

Tyco Electronics (Qingdao) Ltd.
3rd ST. Qingdao, export processing zone, Hetao
Chengyang Qingdao 266113 Shandong P.R. China

withdrawn

ANLAGE (Appendix): 1.2

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.

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



Zertifizierungsstelle

Vilmos Sztaroveczki

Constructional Data Form

License holder: **Tyco Electronics Japan G.K.**
 3-5-8 Hisamoto, Takatsu-ku, Kawasaki-shi, Kanagawa 213-8535 Japan

Factory: **TE Connectivity Connectors(Suzhou) Co., Ltd.**
 (Full address) No.33 Chunyao Road, Caohu Subdistrict, Suzhou Xiangcheng Economic Development Zone, Suzhou, Jiangsu 215000, P.R. China.

Type or Model Number: Dynamic D-5300 series

Kind of device: Connector

| Specifications | |
|--|---|
| Type designation | Dynamic D-5300 series |
| Contact material | Copper Alloy, Gold or Silver plating |
| Number of poles | 3/4 (see Table-1) |
| Rated voltage | Overvoltage category II & Pollution degree 2: 630V AC/DC Overvoltage category III & Pollution degree 2: 600V AC/DC Overvoltage category III & Pollution degree 3: 400 V AC/DC |
| Rated current | 3POS 53A MAX 4POS 50A MAX (Reference derating curve, see Figure 1, 2) |
| Mechanical endurance | 50 |
| Classification | <input type="checkbox"/> CBC <input checked="" type="checkbox"/> Non CBC <input type="checkbox"/> other: |
| Number of bendings (non-rewirable terminals only) | N/A |
| Upper limit temperature | 105 °C |
| Lower limit temperature | -55 °C |

| IP Degree Conditions | | |
|----------------------|---|---|
| Type of connector | Receptacle | Plug |
| IP code | IP-20 <input checked="" type="checkbox"/> mated <input type="checkbox"/> unmated | IP-20 <input checked="" type="checkbox"/> mated <input type="checkbox"/> unmated |
| Backshell | N/A | N/A |
| Cable clamp | N/A | N/A |
| Cable range | N/A | N/A |
| Fastening torque | N/A | N/A |

Köln, dcn *In. Masuda*

TÜV Rheinland
 Product Safety GmbH
 2021 Jan. 26

KAWASAKI

(Place)

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(Stamp and Signature of Applicant)

M. Jiang

2021/1/25

(Date)

Constructional Data Form

| Insulation Coordination | |
|---------------------------------|--|
| Overvoltage category | II, III |
| Pollution degree | 2, 3 |
| Test voltages | Contact – contact : 4000 V AC Shell – contact : N/A |
| Minimum creepage distances | Contact – contact : 8.2mm Shell – contact : N/A |
| Minimum clearance distances | Contact – contact : 8.2mm Shell – contact : N/A |
| Insulation system (IEC 60664-1) | Contact – contact : <input checked="" type="checkbox"/> basic <input type="checkbox"/> reinforced <input type="checkbox"/> NA Shell – contact : <input type="checkbox"/> basic <input type="checkbox"/> reinforced <input checked="" type="checkbox"/> NA |

| Specifications (terminals) | |
|--|---|
| Type of terminals | <input type="checkbox"/> WRAPPED CONNECTIONS <input type="checkbox"/> SOLDER TERMINALS <input type="checkbox"/> CLIP CONNECTIONS <input checked="" type="checkbox"/> CRIMPED CONNECTIONS <input type="checkbox"/> INSULATION DISPLACEMENT CONNECTIONS <input type="checkbox"/> PRESS-IN CONNECTIONS <input type="checkbox"/> SCREWLESS TERMINALS <input type="checkbox"/> SCREW TERMINALS <input type="checkbox"/> FLAT, QUICK CONNECT TERMINATIONS <input type="checkbox"/> other: |
| Terminal designation | See Table-2 |
| Spec. Tightening torque | N/A |
| Rated cross section of conductor | AWG# 16 to AWG# 8 |
| Type of conductor | Flexible (Stranded Copper wire) |
| Required preparation of the conductor | N/A |
| Max. Stripping length | 7.5mm Max. |
| Max. Number of conductors per terminal | 1 |

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Constructional Data Form

TYPE NOMENCLATURE:

Connector: Table-1

| Poles | Receptacle Housing | Tab Housing |
|-------|--------------------|-------------|
| 3 | □-1747821-□ | □-1747819-□ |
| 4 | □-1747822-□ | □-1747820-□ |

Note; The prefixes and suffixes denote keying type.
 (e.g. X,Y,XX,XY,YY)

Terminal designation: Table- 2

| Wire Range AWG# | Receptacle | | Tab | | | |
|--------------------|------------|------------|------------|------------|-------------|------------|
| | Normal | | Normal | | Sequential* | |
| | Strip Form | Loose Form | Strip Form | Loose Form | Strip Form | Loose Form |
| 16-14 | 179955-□ | 316040-□ | 917802-□ | 917804-□ | 84696-□ | 2013594-□ |
| 12-10 | 179956-□ | 316041-□ | 917803-□ | 917805-□ | 84695-□ | 2013593-□ |
| 8 | 1318696-□ | 1318697-□ | 1981690-□ | 1981691-□ | 2316819-□ | 2316820-□ |
| | - | - | - | 1747443-□ | 2174021-□ | 2174022-□ |

Note; 1. The suffix number denote plating thick. (e.g. -2; 0.38 μm Au, -3; 0.76 μm Au, -6; Silver)
 2. The mark * denote an elongated tab contact.

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Constructional Data Form

Derating curve (DYNAMIC D5300 Series 3P Ag plating, AWG#8, derating factor: 0.8)

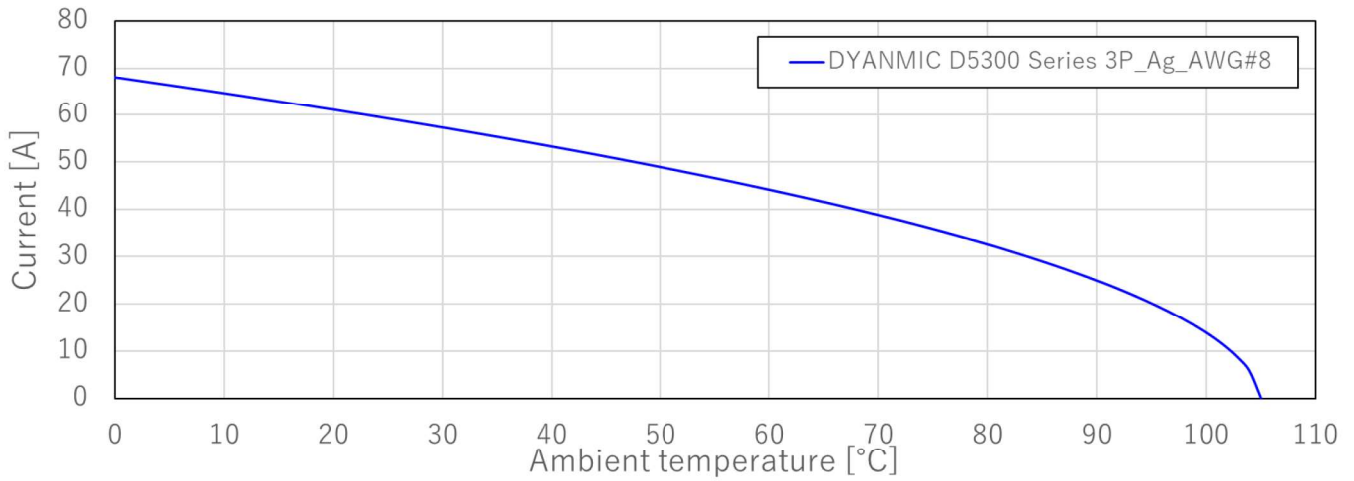


Figure 1

Derating curve (DYNAMIC D5300 Series 4P Ag plating, AWG#8, derating factor: 0.8)

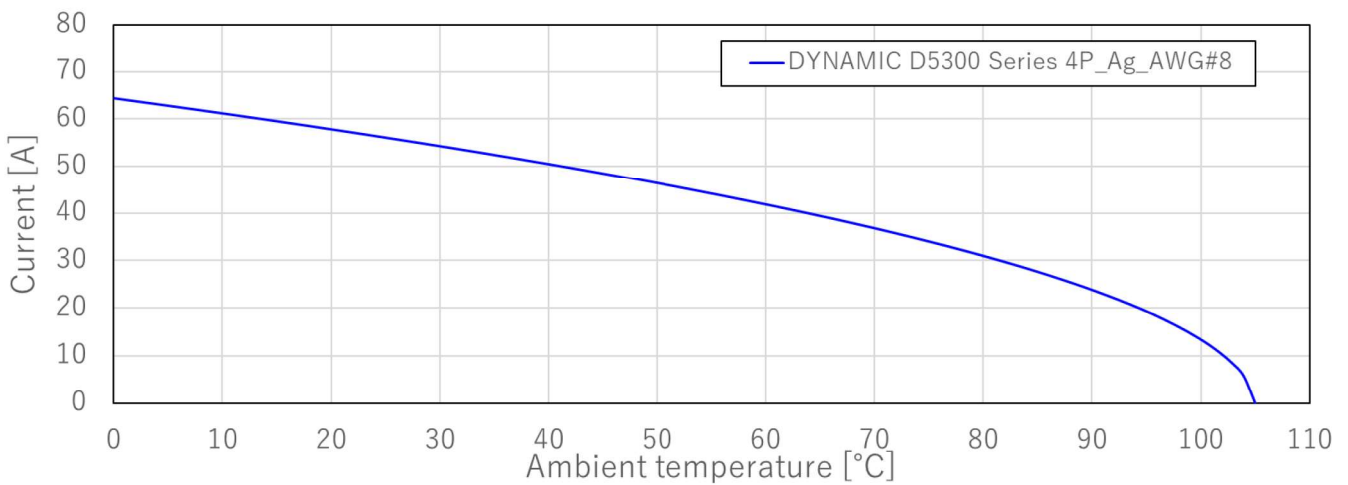


Figure 2

Köln, dcn *In Masuda*

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