

# Zertifikat Certificate



Zertifikat Nr. *Certificate No.*  
R 50104597

Blatt *Page*  
0004

| <i>Ihr Zeichen Client Reference</i> | <i>Unser Zeichen Our Reference</i> | <i>Ausstellungsdatum</i> | <i>Date of Issue</i><br>(day/mo/yr) |
|-------------------------------------|------------------------------------|--------------------------|-------------------------------------|
| APP-121207                          | ZJL-MAS- 12015015 003              | 05.04.2013               |                                     |

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

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

## Prüfzeichen Test Mark



## 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

Test Requirement: EN 61984:2001  
changed to: (see above)

Addition

Rated Voltage: AC/DC 600V  
Overvoltage Category: III

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**

**Dipl.-Ing. (FH) M. Geiser**

**Constructional Data Form**

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

Factory: **Tyco Electronics (Qingdao)Ltd.**  
 (Full address) 3rd ST. Qingdao export processing zone, Hetao chengyang Qingdao city  
 Shandong province, China

Type or Model Number: **DYNATAP D-5200 Series**

Kind of device: **Connector**

| <b>Specifications</b>                                |  |
|--|--|
| Type designation                                     | <b>DYNATAP Connector D-5200 Series</b>   |
| Contact material                                     | Copper alloy, Gold plating   |
| Number of poles                                      | 12 and 20 Poles  |
| Rated voltage  | Overvoltage category II : 630 V AC/DC<br>Overvoltage category III : 600 V AC/DC                          |
| Rated current  | See page 3.  |
| Mechanical endurance                                 | 50   |
| Classification                                       | <input type="checkbox"/> CBC <input checked="" type="checkbox"/> Non CBC <input type="checkbox"/> other: |
| Number of bendings<br>(non-rewirable terminals only) | N/A  |
| Upper limit temperature                              | 105 °C   |
| Lower limit temperature                              | -55 °C   |
| Maximum ambient temperature at rated current         | 12 Poles: 75 °C<br>20 Poles: 70 °C   |

| <b>IP Degree Conditions</b> |   |   |
|-----------------------------|---|---|
| Type of connector           | Receptacle  | Plug  |
| IP code                     | IP-10 <input checked="" type="checkbox"/> mated<br><input type="checkbox"/> unmated | IP-10 <input checked="" type="checkbox"/> mated<br><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, den 2013. Apr. 3  
  
**TÜV Rheinland**  
 Product Safety GmbH

kawasaki  
 (Place)

2013.04.02  
 (Date)

Tyco electronics Japan G.K      G. Ezawa  
 (Stamp and Signature of Applicant)



**Constructional Data Form**

| Insulation Coordination         |  |
|---------------------------------|--|
| Overvoltage category            | II, III  |
| Pollution degree                | 2  |
| Test voltages                   | Contact – contact : 6000 V AC  |
| Minimum creepage distances      | Contact – contact : 9.0 mm<br>Contact – enclosure : N/A  |
| Minimum clearance distances     | Contact – contact : 9.0 mm<br>Contact – enclosure : N/A  |
| Insulation system (IEC 60664-1) | Contact – contact : <input checked="" type="checkbox"/> basic <input type="checkbox"/> reinforced <input type="checkbox"/> NA<br>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<br><input type="checkbox"/> CLIP CONNECTIONS <input checked="" type="checkbox"/> CRIMPED CONNECTIONS<br><input type="checkbox"/> INSULATION DISPLACEMENT CONNECTIONS <input type="checkbox"/> PRESS-IN CONNECTIONS<br><input type="checkbox"/> SCREWLESS TERMINALS <input type="checkbox"/> SCREW TERMINALS<br><input type="checkbox"/> FLAT, QUICK CONNECT TERMINATIONS <input type="checkbox"/> other: |
| Terminal designation                   | See page 3.   |
| Spec. Tightening torque                | N/A   |
| Rated cross section of conductor       | AWG# 20 to # 8  |
| Type of conductor                      | Flexible ( Stranded copper wire )   |
| Required preparation of the conductor  | N/A   |
| Max. Stripping length                  | 7.5 mm MAX.   |
| Max. Number of conductors per terminal | 1   |

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**Constructional Data Form**

**Rated current;**

D-5200 Model

| Poles   | Wire Size |     |     |     |     |     |     |
|---------|-----------|-----|-----|-----|-----|-----|-----|
|         | # 8       | #10 | #12 | #14 | #16 | #18 | #20 |
| 12 & 20 | 37A       | 28A | 24A | 20A | 18A | 15A | 12A |

**TYPE NOMENCLATURE:**

**Connector;**

| Dynatap Connectors       |             |           |
|--------------------------|-------------|-----------|
| Description              | Part Number |           |
|                          | 12 Poles    | 20 Poles  |
| Panel Mount, Front-type  | 1903146-1   | 2013285-1 |
| Panel Mount, Bottom-type | 1903146-2   | 2013285-2 |
| DIN Rail Mount, A-type   | 1903146-3   | 2013285-3 |
| DIN Rail Mount, B-type   | 1-1903146-3 | -         |

| Receptacle         |       |             |
|--------------------|-------|-------------|
| Description        | Poles | Part Number |
| Receptacle housing | 4     | □-179958-4  |

Note; The prefixed denote Keying type.(e.g. X,Y)

**Contacts:**

| Wire Range (AWG#) | Receptacle |            |
|-------------------|------------|------------|
|                   | Strip Form | Loose Form |
| 20-14             | 1318985-□  | 1318986-□  |
| 16-14             | 179955-□   | 316040-□   |
| 12-10             | 179956-□   | 316041-□   |
| 8                 | 1318696-□  | 1318697-□  |

Note; The suffixes denote contact plating thickness.  
 ( e.g. -2: 0.38µm, -3: 0.76µm)

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