

Zertifikat Certificate



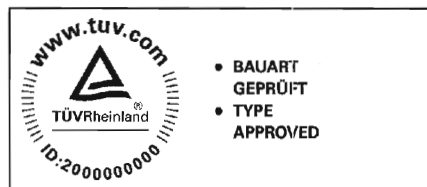
Zertifikat Nr. Certificate No. R 50093700
Blatt Page 0005

Ihr Zeichen Client Reference APP-120904
Unser Zeichen Our Reference ZJL-MAS- 12013964 003
Ausstellungsdatum Date of Issue 11.09.2012 (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
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

- BAUART
GEPRÜFT
- TYPE
APPROVED

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Steckverbinder Connector, as page 0001

Change

Test Requirement : EN 61984:2001

changed to : (see above)

Addition

for Type Designations D-3100 D-3200;
Rated Voltage : AC/DC 150V AC/DC 300V
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) J. Taylor



Certificate No.: R 50093700
 Our reference: ZJL-MAS- 12013964 003
 Appendix No.: 1.2



(To be filled in by TÜV Rheinland)

Constructional Data Form

Page 1 of 3

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

Factory: **Tyco Electronics Qingdao Co. Ltd.**
 (Full address) 3rd Qingdao Export Processing Zone, Hetao Chengyang, Qingdao Shandong 266113 P.R.China

Type or Model Number: DYNATAP D-3100 & D-3200 Series

Kind of device: Connector

Specifications	
Type designation	DYNATAP Connectors
Contact material	Copper alloy, Tin or Gold plating
Number of poles	18 poles / 24 poles
Rated voltage (Over voltage Category II)	D-3100 Model: 160 V ac/dc D-3200 Model: 600 V ac/dc
Rated voltage (Over voltage Category III)	D-3100 Model: 150 V ac/dc D-3200 Model: 300 V ac/dc
Rated current	D-3100 Model: AWG#14 – 8 A D-3200 Model: AWG#14 – 10 A
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
Maximum ambient temperature at rated current	75 °C

IP Degree Conditions		
Type of connector	Receptacle	Plug
IP code	IP-10 <input checked="" type="checkbox"/> mated <input type="checkbox"/> unmated	IP-10 <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

TÜV Rheinland

2012 Sep 6 (Date) In Hosoda (Signature)

kawasaki (Place) 2012. 9. 6 (Date)

Tyco Electronics Japan G.K. k. Irifune
 (Stamp and Signature of Applicant)



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DIN CERTCO

Certificate No.: R 50093700
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Appendix No.: 1.2



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Constructional Data Form

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Insulation Coordination	
Overvoltage category	II, III
Pollution degree	2
Test voltages	Contact – contact : 1500 V a.c. (3.81mm pitch, D-3100 Model) Contact – contact : 2200 V a.c. (5.08mm pitch, D-3200 Model)
Minimum creepage distances	Contact – contact : 1.92mm (D-3100 Model) Contact – contact : 7.8 mm (D-3200 Model) Contact – enclosure : 2.1 mm (D-3100 & 3200 Model)
Minimum clearance distances	Contact – contact : 1.92mm (D-3100 Model) Contact – contact : 4.4 mm (D-3200 Model) Contact – enclosure : 2.1 mm (D-3100 & 3200 Model)
Insulation system (IEC 60664-1)	Contact – contact : <input checked="" type="checkbox"/> basic <input type="checkbox"/> reinforced <input type="checkbox"/> NA Shell – contact D-3100: <input type="checkbox"/> basic <input type="checkbox"/> reinforced <input checked="" type="checkbox"/> NA Shell – contact D-3200: <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	18 and 24
Spec. Tightening torque	N/A
Rated cross section of conductor	AWG# 14 - 28
Type of conductor	Flexible (Stranded copper wire)
Required preparation of the conductor	N/A
Max. Stripping length	5.3 mm
Max. Number of conductors per terminal	1

TÜV Rheinland

2012 Sep 6
(Date)

Jin Masuda
(Signature)

Kawasaki
(Place)

2012. 9. 6
(Date)

Tyco Electronics Japan G.K. K. Iritune
(Stamp and Signature of Applicant)



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Constructional Data Form

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Rated current;

D-3100 Model

Poles	Wire Size						
	#14-16	#18	#20	#22	#24	#26	#28
18	8A	7.3A	5.8A	4.5A	3.8A	3.3A	2.8A

D-3200 Model

Poles	Wire Size							
	#14	#16	#18	#20	#22	#24	#26	#28
24	10A	8.5A	8A	6.3A	5.3A	4.5A	3.8A	3.3A

TYPE NOMENCLATURE:

Connector;

Model	Poles	DYNATAP		Poles	Receptacle
		Free-Hanging	Panel Mount		
D-3100	18	<input type="checkbox"/> -1376807-1	<input type="checkbox"/> -1376807-2	6	1-178288-6
D-3200	24	<input type="checkbox"/> -1827691-1	<input type="checkbox"/> -1827691-2 <input type="checkbox"/> -1827691-3	4	1-178128-4

Note; The prefixed denote variations for contact plating. (e.g. Gold or Tin)

Contacts:

Wire Range (AWG#)	Receptacle			
	Standard Type		High pressure Type	
	Strip Form	Loose Form	Strip Form	Loose Form
28-24	175194- <input type="checkbox"/>	175216- <input type="checkbox"/>	1-175194- <input type="checkbox"/>	1-175216- <input type="checkbox"/>
24-20	175195- <input type="checkbox"/>	175217- <input type="checkbox"/>	1-175195- <input type="checkbox"/>	1-175217- <input type="checkbox"/>
20-16	175196- <input type="checkbox"/>	175218- <input type="checkbox"/>	1-175196- <input type="checkbox"/>	1-175218- <input type="checkbox"/>
16-14	917484- <input type="checkbox"/>	917511- <input type="checkbox"/>	1-917484- <input type="checkbox"/>	1-917511- <input type="checkbox"/>
16-14	353715- <input type="checkbox"/>	353717- <input type="checkbox"/>	1-353715- <input type="checkbox"/>	1-353717- <input type="checkbox"/>

Note; The suffixes denote Gold or Tin plating.

TÜV Rheinland

kawasaki
(Place)

2012.9.6
(Date)

2012 Sep 6 [Signature]
(Date) (Signature)

Tyco Electronics Japan G.K.

K. Iritume

(Stamp and Signature of Applicant)