



Product Service

CERTIFICATE

No. B 047175 0023 Rev. 01

Holder of Certificate: **TE Connectivity Corporation**

2901 Fulling Mill Rd
 Middletown PA 17057
 USA

Certification Mark:



Product: **Connector**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 705201907802-01

Valid until: 2025-08-20

Date, 2020-08-21

(Martin Ma)



CERTIFICATE

No. B 047175 0023 Rev. 01

Model(s):

HD+ Card Edge Series, 8 Beam
 HD+ Card Edge Series, 5 Beam
 Single Beam Card Edge Series
 1XXXXXX-X, 2XXXXXX-X, 3XXXXXX-X, 4XXXXXX-X, 5XXXXXX-X,
 6XXXXXX-X, 7XXXXXX-X, 8XXXXXX-X, 9XXXXXX-X,
 X= any number (from 0, 1~9) and corresponds to non-safety related functions.
 A specific part number can only be use in one product series. Once a part number is defined in one series, it would be never used in any other series any more.
 For example: 2343428-1, is only used for HD+ Card Edge Series, 8 Beam.

Parameters:

Parameter concerns	Specification for components
Rated current (At 25°C):	See table 1 for detail
Rated voltage:	See table 1 for detail
Number of poles:	See table 1 for detail
Rated impulse voltage:	See table 1 for detail
Overvoltage category:	II
Pollution degree:	For HD+ Card Edge Series, 8 Beam: 1; For others: 2
IP code:	IP00
Temperature range (LLT-ULT):	-55°C to +130°C
Termination and connection method:	PCB solder pins
With or without breaking capacity:	Without (COC)
Number of operating cycles/mechanical endurance:	200



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Table 1 detail information for models						
Model	Type of Contact	Maximum No. of Contacts	No. of Contacts with Current	Rated Current A (at 25°C)	Rated Voltage Vac	Rated impulse voltage (kV)
HD+ Card Edge Series, 8 Beam	P	12	12	55.6	150	1.5
	S	14	14	3	60	0.8
Single Beam Card Edge Series	P	2×25	2×25	9.3	100	0.8
HD+ Card Edge Series, 5 Beam	P	2x7	2x7	31	100	0.8
	S	2×10	2×10	1	32	0.5

Note:
Note 1. P: Power pin or contact, S: signal pin or contact.

Tested according to: EN 61984:2009

Production Facility(ies): 104889, 108050

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT

Form

Data form for electrical and electronic component

Aufbauübersicht für elektrische und elektronische Komponenten



Product Service

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Selt von

Applicant / Auftraggeber: TE Connectivity Corporation
2901 Fulling Mill Rd
Middletown PA 17057
USA

Manufacturer / Hersteller: TE Connectivity Corporation
2901 Fulling Mill Rd
Middletown PA 17057
USA

Authorized person / Bevollmächtigter: Jean He

Factory / Fertigungsstätte: [Redacted]

Type of equipment / Geräteart: Connector

Type/model / Typenbezeichnung: HD+ Card Edge Series, 8 Beam
HD+ Card Edge Series, 5 Beam
Single Beam Card Edge Series
1XXXXXX-X, 2XXXXXX-X, 3XXXXXX-X, 4XXXXXX-X, 5XXXXXX-X,
6XXXXXX-X, 7XXXXXX-X, 8XXXXXX-X, 9XXXXXX-X,
X= any number (from 0, 1~ 9) and corresponds to non-safety related functions.
A specific part number can only be use in one product series. Once a part number is defined in one series, it would be never used in any other series any more.

Serial no. / Seriennr.: For example: 2343428-1, is only used for HD+ Card Edge Series, 8 Beam.

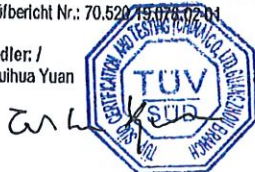
Rated voltage/frequency / Nennspannung/Frequenz: See below

Parameter concerns	Specification for components
Rated current (At 25°C):	See table 1 for detail
Rated voltage:	See table 1 for detail
Number of poles:	See table 1 for detail
Rated impulse voltage:	See table 1 for detail
Overvoltage category:	II
Pollution degree:	For HD+ Card Edge Series, 8 Beam: 1; For others: 2
IP code:	IP00
Temperature range (LLT-ULT):	-55°C to +130°C

Form ID: 37983-Rev. 1-Form Effective: 03 Apr 2020

Test Report No. / Prüfbericht Nr.: 70.520.15.078.02.01

Name of Project handler: /
Name Projektleiter: Guihua Yuan



Place / Ort: Guangzhou

Date / Datum: 2020-08-19

Name, seal and signature of Certificate Holder /
Name, Stempel und Unterschrift des Zertifikalinhabers:

Sean Zhang
8/19/2020

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Aufbauübersicht für elektrische und elektronische Komponenten



Product Service

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Type of terminals:	PCB solder plns
Connectable conductors:	N/A
Number of bendings /flexings:	N/A
Wire cross-section area:	N/A
Number of operating cycles/mechanical endurance:	200
Number of operating cycles/electrical endurance:	N/A
Glow-wire test:	850°C
Ball-pressure test:	130°C
PTI:	175V
Classification:	
According to protection against electric shock:	<input checked="" type="checkbox"/> unenclosed connector <input type="checkbox"/> enclosed connector
According to the style:	<input checked="" type="checkbox"/> fixed connector <input type="checkbox"/> free connector
According to additional characteristics:	<input type="checkbox"/> with protective earthing contact
	<input checked="" type="checkbox"/> without protective earthing contact
	<input type="checkbox"/> with breaking capacity (CBC)
	<input checked="" type="checkbox"/> without breaking capacity (GOC)
	<input type="checkbox"/> with interlock <input checked="" type="checkbox"/> without interlock
	<input checked="" type="checkbox"/> non-rewirable connector
	<input type="checkbox"/> rewirable connector
	<input type="checkbox"/> with cable clamp
	<input checked="" type="checkbox"/> without cable clamp

Model	Type of Contact	Maximum No. of Contacts	No. of Contacts with Current	Rated Current A (at 25°C)	Rated Voltage Vac	Rated impulse voltage (kV)
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	S	2x10	2x10	1	32	0.5

Note:
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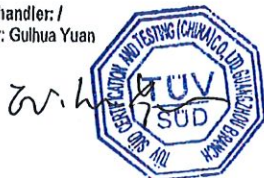
Test Report No. / Prüfbericht Nr.: 70.520.19.078.02-01

Place / Ort: Guangzhou

Date / Datum: 2020-08-19

Name of Project handler: /
Name Projektleiter: Gulhua Yuan

Name, seal and signature of Certificate Holder /
Name, Stempel und Unterschrift des Zertifikathalters:



Sean Zhang
8/21/2020

Form

Data form for electrical and electronic component

Aufbauübersicht für elektrische und elektronische Komponenten



Product Service

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Additional Information for Laser equipment, classification according to IEC/EN 60825
Zusätzliche Angaben für Laser, Klassifizierung nach IEC/EN 60825

Class / Klasse: N/A
Wavelength / Wellenlänge: N/A
Pulse duration / Pulsdauer: N/A

Safety relevant components: (switches, temperature regulators, heating elements, plugs, sockets, wiring, capacitors, motors and other components with windings e.g. transformers, coils, emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers, Software (Revision), housing parts, materials with contact to food etc.
Components for Functional Safety shall be listed in appropriate table.

The entry of safety relevant components into this table documents and confirms review of suitability and acceptance by the product specialist.

Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen, Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschranken, Sicherheitsventile, programmierbare Steuerungen-SPS, hydraulische Steuerungen, pneumatische Steuerungen, Software (Revisionsstand), Gehäuseteile, Materialien mit Kontakt zu Lebensmitteln usw.

Komponenten für Funktionale Sicherheit müssen in die entsprechende Tabelle eingetragen werden.

Der Eintrag sicherheitsrelevanter Komponenten in die Übersicht dokumentiert und bestätigt die Überprüfung der Eignung und Freigabe durch den „Product Specialist“.

Bauteil/ Kind of component	Hersteller / Manufacturer	Angaben über Typ, Stromstärke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse /Information about type, current, power, transformer specification number, Insulating class	Prüfzeichen von Test mark from (VDE, BSI, UL etc.)
HD+ Card Edge Series, 8 Beam			
Power contact and termination		Copper alloy, Cu min. 95%, Thickness=0.50mm.	Test with appliance
Signal contact and termination		Copper alloy, Cu min. 95%, Thickness=0.40mm.	Test with appliance
Base		LCP, V-0, RTI: 130°C, grow wire: 850°C, ball pressure: 130°C, PTI: 175V	Test with appliance
Single Beam Card Edge Series			
Contact and termination		Copper alloy, Cu min. 95%, Thickness=0.50mm.	Test with appliance
Base		LCP, V-0, RTI: 130°C, grow wire: 850°C, ball pressure: 130°C, PTI: 175V	Test with appliance
HD+ Card Edge Series, 5 Beam			
Power contact and termination		Copper alloy, Cu min. 95%, Thickness=0.50mm.	Test with appliance
Signal contact and termination		Copper alloy, Cu min. 95%, Thickness=0.40mm.	Test with appliance
Base		LCP, V-0, RTI: 130°C, grow wire: 850°C, ball pressure: 130°C, PTI: 175V	Test with appliance

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Place / Ort: Guangzhou

Date / Datum: 2020-08-19

Name of Project handler: /
Name Projektleiter: Gulhua Yuan



Name, seal and signature of Certificate Holder /
Name, Stempel und Unterschrift des Zertifikathalters:

Seam Zhang
8/20/2020

Form

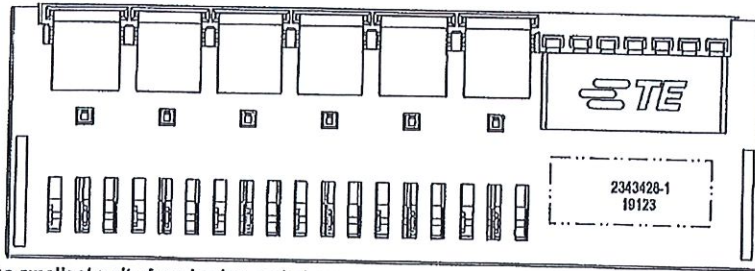
Data form for electrical and electronic component
 Aufbauübersicht für elektrische und elektronische Komponenten

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Product Service

Label / Typenschild:



The marking on the smallest unit of packaging, as below:




 Date: 18412
 ORDER: 2705405986
 Part No: 2343428-1
 Qty: 840
 Rev: A
 PC
 Std Qty: 840
 Date: 18412
 Case: (MWWU)
 Real / Box #: 1


Routine Safety Test

Final inspection requirements for production are described in Dielectric strength of EN 61984:2009.

- | | | |
|--|---------------------------------------|--|
| <input checked="" type="checkbox"/> Required | <input type="checkbox"/> Not Required | Reason: |
| | | <input type="checkbox"/> Class III product |
| | | <input type="checkbox"/> Other: |

Test Details:

- Dielectric strength test
- Continuity of PE path test
- Leakage Current
- Visual examination

Test Points:

- BI: L/L
- Protective earthing contacts

Test Values:

1500V/800V/500V
 Safety
 Extra-Low Voltage (SELV)

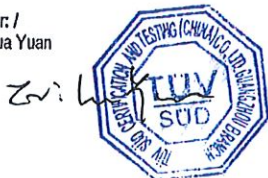
The manufacturer's name or trade marking check

==End of CDF==

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Sean Zhang
 8/19/2020