

Intelligent interface HSD/USB Type-C

Our USPs

- › Shortest available HSD USB Type-C interface module on the market
- › System solution
- › Manufacturing processes according to automotive quality standards
- › Product validation according to customer-specific requirements
- › Validation tests performed in accredited MD test lab



Your Advantages

- › Package-optimized direct connector with integrated electronics (Type-C Logic)
 - » same package size as USB Type-A direct connector
- › Use of existing hardware possible*
- › No change of the wire harness necessary*
 - » use of established components
- › Compatible with HSD USB Type-A direct connector

*In case of using HSD-based systems

Technical Information

Electrical

| | |
|--------------------------------------|---|
| Input supply voltage V_{bus-In} | 4.75 V up to 5.50 V |
| Output current | up to 3.0 A max. (depends on input source) |
| Output voltage V_{bus} (Type-C) | depends on input source (V_{bus-In}) |

Mechanical

| | |
|--------------------|------------------------------------|
| Housing dimensions | see drawing |
| Coding | according to customer requirements |

Environmental

| | |
|-----------------------------|---------------------|
| Operating temperature range | -40 °C up to +80 °C |
|-----------------------------|---------------------|

Requirements

USB Type-C customer interface with USB 2.0 functionality and HSD connection

Applications

- › USB Type-C customer interface
- › Rear seat entertainment

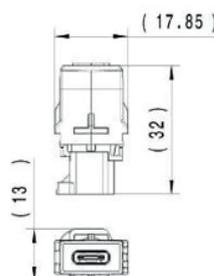
Protocols & Signals

Data

- › USB 2.0 High-Speed

Charging

- › Legacy charging profiles BC1.2 DCP
- › Apple charging profile (2.4 A)
- › 1.2 V Divider Mode
- › USB Type-C charging (5 V / 3 A)



MD in a Nutshell



The C.A.S.E. megatrend describes the four essential future topics for the automotive industry: Connected, Autonomous, Shared & Service and Electric. Data plays a central role and drives the future of the automotive industry. Data is generated, transferred, merged and evaluated. We are experts in the transmission of the rapidly increasing data volumes and have developed the latest technological solutions for this future topic.

25

years experience
in the automotive industry



100 %

automotive



Supplier of products for
over 350 car models from
more than 60 OEMs



Volume supplier – over
160 million products in more than
20,000 variants annually



Global production- &
sales network in NAFTA,
Europe and APAC



Stable
ownership structure



Worldwide leading
company for data transmission
solutions in vehicles



Approx. 6,000
employees worldwide



Accredited in-house
test laboratory

Do you have any questions or need a data transmission solution in vehicles?
Please contact us: product-info@md-elektronik.com

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