

HSD – High-Speed Data

Perfectly Assembled Cables – Our USPs

- › Automated production line with transfer technology and process monitoring
- › Compliance with the smallest processing tolerances
- › Globally standardized machinery
- › Various cable variants available
- › Handling of various cable cross-sections, such as 0.14 mm², 0.35 mm² and 0.5 mm²



Your Advantages

- › Robust data transmission with LVDS principle and double shielding
- › Less mating processes due to a unit chamber concept and different housings (double HSD, HSD+2, HSD+4, HSD+8)
- › Various applications due to various cable variants (static, dynamic, engine compartment)
- › Small installation space with a robust design
- › 14 codings and 4 exit directions for all installation space situations

Technical Information

Electrical

Return loss	> 20 dB, DC up to 1 GHz
Screening attenuation	≥ 75 dB, DC up to 1 GHz ≥ 65 dB, 1 GHz up to 2 GHz

Mechanical

Keying efficiency	≥ 80 N
Engagement force	≤ 30 N
Retention force latch	≥ 110 N
Mating cycles	≥ 25

Environmental

Temperature range	-40 °C up to +105 °C
Qualification according to	LV 214 / USCAR

Specification according to Rosenberger datasheet

Requirements

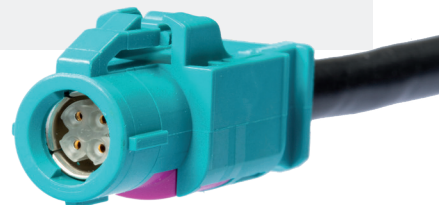
2 data pairs for bi-directional data transmission or simultaneous voltage and data supply in a compact design for frequencies up to 3 GHz

Applications

- › Cameras
- › ADS / ADAS
- › Displays
- › Rear seat entertainment

Protocols & Signals

- › LVDS
- › APIX
- › USB
- › Automotive Ethernet
- › LIN
- › FPD-Link
- › GMSL
- › PCIe



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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