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 Screening attenuation > 20 dB, DC up to 1 GHz \geq 75 dB, DC up to 1 GHz \geq 65 dB, 1 GHz up to 2 GHz

Mechanical

Keying efficiency Engagement force Retention force latch Mating cycles ≥ 80 N ≤ 30 N ≥ 110 N ≥ 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
- , PCle



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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.





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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