

# Rosenberger

Robust Power & Data Products

## HSI Connector System for High-Speed Implement Bus Systems

ALL-TERRAIN





## All-Terrain - Agricultural & Construction

The demand for high-speed data transmission in harsh environment applications is constantly rising. From trucks, construction equipment to agricultural applications, Rosenberger has responded to these requirements with the development of the new HSI connector system. Designed for harsh conditions and standardized in cooperation with the AEF (Agricultural Industry Electronics Foundation), this is the new high performance standard.

In today's agriculture, reliable connections between tractors and trailers, seed, fertiliser and harvesting machines are essential. The challenges are not only terrain and weather conditions but also requirements for sustainable systems and potential savings. This requires connections with high power and data performance, as well as intelligent and digital data transmission for programming, measurement, evaluation, monitoring and positioning. Rosenberger HSI connectors enable these and future tasks, such as GPS-controlled agriculture and coordinated data systems for various requirements. The HSI connector system is the standardized solution within the AEF, but is also suitable for other areas of application, including construction machinery and trucks confronted with demanding environmental requirements.



## Electrical Features

- Usage up to 48 V possible, depending on cable parameters
- Cable length up to 40 meters
- SI/EMC performance for 1000BASE-T1
- Different timing of power and data pins

## Mechanical Features

- Highly robust power-data connector
- Break away event
- Mating cycles more than 3000
- Waterproof IPX9K
- UV-resistant
- Flame-retardant material (housing)



## Product Portfolio

- Vehicle connector, plug straight
- Housings, in-cab, break-away
- Implement connector, jack straight
- Cable assemblies



## Applications

- **Agricultural industry, e. g.**
  - GPS guided farming
  - Monitoring systems
  - Data systems for consumption, seed or fertiliser optimization
  - Level and tonnage measurements
- **All-Terrain areas and rough environment applications, e. g.**
  - Construction machinery
  - Trucks
  - Cranes

# Your Connection to All-Terrain Applications

Rosenberger has developed new power and data connections based on HSI (High-Speed Implement Bus). Standardized in cooperation with the Agricultural Industry Electronics Foundation (AEF) these are future-proof for tasks such as GPS guided farming and monitoring systems for different types of machinery implements.

This connector system is the new standardized high-speed connection for agricultural solutions as well useable in every application where extreme robustness and high-speed data transmission is required.

Not only is the fast data transmission outstanding, but also the integrated power supply.





## Website

For more information refer to our website:  
[www.rosenberger.com/hsi](http://www.rosenberger.com/hsi)

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Certified by IATF 16949 · DIN EN 9100 · ISO 9001 · ISO 14001 · ISO 50001

Order No.

pA 10126895 · Info2HSIFlyEN  
2000/2022

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