Smart Motor Sensors Software

Software solutions for drive systems with the HIPERFACE DSL® interface

SOFTWARE FOR INTEGRATION

SICK
Sensor Intelligence.

Smart Motor Sensors Software
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Technical data overview

Language	English
Version	IP-Core Version 1.07
Description	HIPERFACE DSL® MASTER IP Core for implementation in servo controller / HIPERFACE DSL® is a rapid digital protocol for motor feedback systems that connects servo drives to SICK motor feedback encoders. For detailed information about the protocol, IP Core, and all implementation and testing aspects, please refer to the HIPERFACE DSL® Master Integration Manual (8017595) and the HIPERFACE DSL® Master Safety Integration Manual (8017596) / single-place license / Certified T2 tool (IEC 61508) for firmware tests during validation of servo regulators with safe HIPERFACE DSL® (depending on type)
Supported products	Motor feedback systems rotary HIPERFACE DSL® EDS/EDM35, EKS/EKM36, EES/EEM37, EFS/EFM50, ETL70, sCon® PGT-13-S (depending on type)
Operating system	Web browser-based interface and REST API for creating customized interfaces. No additional software is required.

Product description

HIPERFACE DSL® serves as a communication interface for smart drive technologies. The Smart Motor Sensor software solutions from SICK simplify the implementation, verification, and use of this interface and of sensors in the field of motor feedback systems.

At a glance

- Safe motor feedback interface up to SIL 3
- FPGA can be connected via EMIFA, SPI or a customer-specific interface
- Suitable for Xilinx, Altera, Lattice and Efinix FPGAs
- T2-certified test tool according to IEC 61508
- REST API interface

Your benefits

- Shortens the development time of the drive through fast integration and verification of the communication interface
- Simplifies the implementation and verification of safe movement functions in drives
- Provides flexibility when designing drives by making available various interfaces for connecting the FPGA
- Reduces errors thanks to customizable user interface

Fields of application

- Drive technology for factory and logistics automation
- Drive with HIPERFACE DSL® interface

Ordering information

Other models and accessories → www.sick.com/Smart_Motor_Sensors_Software

Description	Supported products	Scope of delivery	Type	Part no.
HIPERFACE DSL® MASTER IP-Core for implementation in servo controller, HIPERFACE DSL® is a rapid digital protocol for motor feedback systems that connects servo drives to SICK motor feedback encoders. For detailed information about the protocol, IP Core, and all implementation and testing aspects, please refer to the HIPERFACE DSL® Master Integration Manual (8017595) and the HIPERFACE DSL® Master Safety Integration Manual (8017596)	Motor feedback systems rotary HIPERFACE DSL®, EDS/EDM35, EKS/EKM36, EES/EEM37, EFS/EFM50, ETL70, sCon®	–	HIPERFACE DSL® Master IP-Core	1614697
Single-place license, Certified T2 tool (IEC 61508) for firmware tests during validation of servo regulators with safe HIPERFACE DSL®	PGT-13-S	This software enables the use of Emulator mode on the PGT-13-S. The PGT-13-S (1113462) and the connecting cable (2124124) are not included with delivery. Please order separately.	PGT-13-S Emulator Mode	1129100

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com

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