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ICANSYS.3

Interface Module for SMT Systems for Integrating Field Bus Measurement Components

The ICANSYS.3 is a one-channel interface module for linking CAN-based measurement technology into SMT systems. In addition to the integrated CAN node, it powers the external components.

Areas of Application

- Link of measurement modules of the Softing µ series
- Integration of third-party CAN-based signal acquisition components

Advantages

- Consistent module configuration and data acquisition with the system software PEA
- Standardized data description using DBC
- Flexibility in application due to combined use of different product families

Communication

Up to 160 signals can be acquired via the galvanically isolated interface of the ICANSYS.3. The data rate of the module can be set and is identical to the frequency of a current image of all signals. The termination of the CAN bus is integrated in the module making an external terminating resistor unnecessary.

Output Supply

In addition to the data link, the ICANSYS.3 also powers the connected field bus components. Every module provides a maximum power output of 15 W, although relevant line loss has to be taken into account in the case of large spatial distances. For this reason, energy-saving modules, such as the new Softing µ series, are particularly suitable for use with ICANSYS.3 modules.

Technical Data

General	
Number of nodes	1
Number of measurement channels	160
Node	
Physical layer	Highspeed CAN
Bit rate	500 kBit/s
Specification	CAN 2.0A
Termination	120 Ω, permanent
Galvanic isolation	Yes
Output Supply	
Output voltage	30 V (DC), unipolar
Power output	Max. 15 W, current-limited, short-circuit-proof
Galvanic isolation	No
Environmental Conditions	
Storage	-30 °C … +85 °C, 10 % … 90 % rel. humidity, non-condensing
Operation	-30 °C … +70 °C, 10 % … 90 % rel. humidity, non-condensing

Order Numbers

ICANSYS.3	Interface module for SMT systems for integrating field bus measurement components (CAN)

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