

SmartWire-DT / PROFINET Gateway

Real-Time Ethernet Gateway EU5C-SWD-PROFINET

Highlights

- Easy PROFINET integration as modular IO device
- Rapid push button based on-site commissioning
- Effortless PROFINET Controller configuration with GSDML file
- Full support of 99 SmartWire-DT stations



As modular PROFINET IO device the gateway integrates any subordinate SmartWire-DT network into PROFINET. Each SmartWire-DT station is represented as a subsequent slot in the IO device. The cyclic process data is exchanged transparently in between both networks. 1000 bytes of process input/output data can be exchanged with up to 99 SmartWire-DT stations.

The gateway is easily commissioned on-site by pushing a configuration button to save the actual scanned SmartWire-DT network constellation as expected configuration. On each power cycle the gateway rescans the network and compares actual and expected configuration and gets operational on PROFINET if both configurations match.

A PROFINET GSDML file is provided with gateway. It contains the gateway parameters and all SmartWire-DT stations as configureable modules. A file import into the PROFINET controller's engineering tool enables the user to commission the gateway on PROFINET.

In the scope of delivery the software SWD-Assist may be used to plan, dimension and document a SmartWire-DT network offline.

Technical Data

Parameter	Value
Type of Participant	PROFINET IO Device SmartWire-DT Master
Input data	800 Byte
Output data	642 Byte
Total Input/Output data	1000 Byte
SWD Number of Stations	99
SWD Baud rate	125 / 250 kBd
Address setting	via PROFINET

Parameter	Value
Diagnostic Interface	Mini-USB
Ethernet Interface	2 port switch (RJ45) / 100Mbit
Power Supply $U_{\text{POW}}/U_{\text{AUX}}$ 24VDC	700mA / 3000mA
Operating Temperature	-25° ... 55° C
Dimension (L x B x H)	90 x 35 x 127 mm

Product Overview

Article Description	Article Number	Article
EU5C-SWD-PROFINET	9233.920	SmartWire-DT / PROFINET Gateway