

SmartWire-DT

EtherCAT Gateway

EtherCAT®

- Integrates a subordinate SmartWire-DT network strand into EtherCAT
- Automatic topology recognition and setting by configuration button on the front
- Features the full range of 99 SmartWire-DT stations
- Advanced functions and diagnostics with planning and ordering tool SWD-Assist



The gateway connects a subordinate SmartWire-DT network to any EtherCAT master. It represents a single EtherCAT slave and maps each SmartWire-DT station and its process data modularly in slots. In sum 1000 bytes input and output process data can be exchanged and it will be converted transparently between both networks. The full range of 99 SmartWire-DT stations is supported.

Commissioning is performed using the configuration button on the front of the device. Pressing it will recognize the connected SmartWire-DT topology and saved it in the gateway. The EtherCAT master is able to read out this configuration over EtherCAT in order to rebuild the configuration automatically in the engineering tool in conjunction with the ESI device description file.

Eatons planning and ordering tool SWD-Assist may be used optionally. It helps to dimension the SmartWire-DT strand and carries out further diagnostics over the gateways USB port in the event of a network error. SWD-Assist is not part of the gateways scope of delivery. It can be downloaded free of charge at www.hilscher.com or ordered as DVD inclusive USB cable at cost price.

Technical Data / Product Overview

Technical Details	Parameter	Value
	Typ of device	EtherCAT Slave in acc. to IEC 61158 SmartWire-DT Master
	Amount of Input data	800 Bytes
	Amount of Output data	642 Bytes
	In- / Output data in sum	1000 Bytes
	SWD Number of Stations	99
	SWD Baud rate	125 / 250 kBd
	EtherCAT Device Profile	ETG.5001.1-4, Modular Device Profile

Parameter	Value
Diagnostic Interface	Mini USB
Ethernet Interface	2-Port Switch (RJ45) / 100 MBit
Power Supply U_{POW} / U_{ALIX} 24 V	700 mA / 3000 mA
Operating Temperature	-25° ... 55° C
Dimensions (H x W x H)	90 x 35 x 127 mm

Note: All technical data may be changed without further notice.

Overview	Article	Article Number	Article Description
	EU5C-SWD-ETHERCAT	9233.922	SmartWire-DT / EtherCAT Gateway
	EU5C-SWD-SW	3233.920	SWD-Assist planning and diagnostics software DVD ROM and USB cable

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