

# SmartWire-DT

Sercos Gateway

- Effortless integration of a single SmartWire-DT network trunk into Sercos network
- Automatic SWD topology recognition and configuration with button on the front
- Features the full range of 99 SmartWire-DT stations
- Advanced functions and diagnostics with planning and ordering tool SWD-Assist



**sercos**  
the automation bus

## Gateway between SmartWire-DT and Sercos

The gateway links a SmartWire-DT network trunk to a Sercos network. As Sercos slave the device is mapping each SmartWire-DT station and its process data modularly in separate IO Function Groups. Hence 252 bytes of input and output process data can be exchanged. The data of up to 99 SWD possible devices itself is converted transparently between both networks.

The connected SWD trunk is being commissioned using the configuration button on the gateway's front. Pushing the button will read the actual SWD topology, configures the IO Function Groups and stores them as target configuration in the gateway. The Sercos master on the other hand is commissioned using SDDML device description files.

They allow the user to synchronize the target and the projected configuration in the Sercos master's engineering software. Also parameters of the SWD devices getting configurable and will be transmitted over the gateway to the devices during the Sercos network start phase.

Eaton's planning and ordering tool SWD-Assist may be used optionally. It helps to dimension the SmartWire-DT trunk and may execute further SWD diagnostics. SWD-Assist is not part of the gateways scope of delivery. It can be downloaded along with the SDDML files free of charge at [www.hilscher.com](http://www.hilscher.com) as package or be ordered as DVD inclusive USB cable at cost price.



→ QR Code Link: SmartWire Sercos  
Service-Hotline: +49 (0) 6190 9907-90  
[www.hilscher.com](http://www.hilscher.com)

# Product Information

## Technical Data

### Technical Data

**Operating Temperature**

-25° ... +55° C

**Power Supply  $U_{\text{POW}}$  |  $U_{\text{AUX}}$  24 V**

700 mA | 3000 mA

**Dimensions (L x W x H)**

90 × 35 × 127 mm

**Ethernet Interface**

2-Port Switch (RJ45) / 100 MBit

**Diagnostic Interface**

Mini USB

**Typ of device**

SERCOS Slave in acc. to IEC 61491 | SmartWire-DT Master

### Technical Data

**Amount of Input data**

242 Bytes

**Amount of Output data**

242 Bytes

**In- / Output data in sum**

484 Bytes

**SWD Number of Stations**

99

**SWD Baud rate**

125 / 250 kBd

**SERCOS Device Profil**

FSP\_IO

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

### Product Overview

<b>EU5C-SWD-SERCOS</b>	9233.923	SmartWire-DT / Sercos Gateway
<b>EU5C-SWD-SW</b>	3233.920	SWD-Assist planning and diagnostics software DVD ROM and USB cable



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