

D*Bridge

Functional principle

The digitalisation bridge D*Bridge is an intelligent bridge device that automatically manages data exchange in an OT network between individual machines and only allows relevant data traffic to pass.

Without any configuration effort, from the point of view of the PLC as well as via its own interface, the D*Bridge learns the relevant data traffic and thus enables continuous horizontal communication. This includes classic PROFINET and smart sensor communication, such as from a SIEDS. At the same time, any additional data traffic is blocked to ensure the stability and availability of the networks.

The D*Bridge makes it possible to connect fieldbuses functionally and securely at the OT level without a high level of IT knowledge and at the same time to use a higher range of functions than the classic fieldbus couplers without programming effort.

Technical details

- Network connection
 - Network: 2 x 10/100Base-TX RJ45-Ports
 - Mirrorport: 1 x 10/100Base-TX RJ45-Ports
- Power supply: 24V DC (12 – 36V DC) redundant
- Max. current consumption: 200 mA
- Max. power consumption: 4.8 W
- Dimensions (H x B x T): 103 x 88 x 38 mm
- Weight: 300 g
- Housing: Aluminum, anodized
- Operating temperature: -10°C to +60°C
- Storage temperature: -40°C to +85°C
- Humidity: 5% to 95% RHD, non-condensing
- Protection class: IP30
- Mounting: TS35 DIN profile rail

Functions

- Transparent bridge mode including auto-learning process
- Software interfaces: HTTP, HTTPS, SNMPv1, SNMPv2c, SNMPv3, DHCP, NTP
- Mirrorport

Variants

D*Bridge H

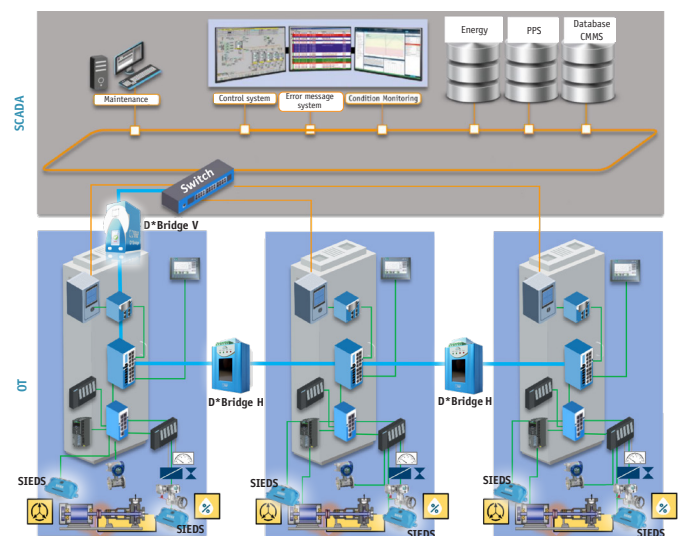
Creates secure, homogeneously convergent network structures for digitization between fieldbuses on the shop floor.

D*Bridge V

Creates the secure connection of the homogeneous convergent network structures for processing the smart sensor data from the shop floor directly on the SCADA level.



D*Bridge



Installation example

Ordering details	Art.-No.
D*Bridge H	112100100
D*Bridge V	112100101