**EtherCAT® I/O.**

Your choice for flexible EtherCAT® I/O Interface demands.

The BRUNNER EtherCAT® I/O is part of our EtherCAT® product portfolio. It is a multi-purpose I/O module that provides a wide range of interfacing features in a very compact and easy to mount case.

BRUNNER EtherCAT® I/O enables fast and easy connection and integration of digital and analogue I/O signals from switches, sensors, actuators etc. to an EtherCAT® network at a competitive price point. Beside standard I/O functionality, the device also provides serial ports and a CAN interface. The Encoder Interface with various counting modes and the PWM outputs for driving an external power stage are further powerful features.

These interfaces comply with the EtherCAT® Modular Device Profile Standard. Further, CoE (CAN application protocol over EtherCAT®) and Distributed Clocks are supported.

EtherCAT® I/O is designed to simplify the cabling efforts by providing easy push-in connectors for I/O and power. Transmitting digitalized I/O data over EtherCAT® networks reduces complexity and costs for the installation of control and signal wiring. Its robust industrial design and snap-on mounting capability on various top hat DIN rails allow the fast and easy mounting and connection of the device directly at the signal source.
EtherCAT® I/O.

Features.

- Multi-purpose EtherCAT® I/O Device
- CoE (PDO, SDO) supported
- EtherCAT® Modular Device Profile (ETG.5001.1 v0.1.1, ETG.5001.3 v0.1.1).
- Distributed clocks supported
- Analog and Digital In- and Outputs
- PWM Outputs
- Serial Ports (RS232, RS422, RS485)
- CAN interface up to 1Mbps
- Incremental Encoder Interface with various counting modes
- Easy and fast cabling through push-in connectors
- LED indication of DIN and DOUT states
- Snap-on mounting on various top hat DIN rails
- Low power consumption
- Software update via EtherCAT®
- Swiss Made
- 2 Years Warranty

Specification.

| Input Voltage | 15-30 VDC |
| Communication | EtherCAT® 2 Ports (RJ45), 1x CAN 2.0A/B, ISO 11898 (DSub9) 2x Serial Ports, EIA/TIA-232, EIA/TIA-422, EIA/TIA-485 (DSub9) |
| Interface | 8x Digital Inputs (24 V, optional 5 V) 8x Digital Outputs (24 V, 2.6 A @ 1 Ch, 5.3 A @ 4 CH) 4x Analog Inputs (-10 V … 10 V, 12 Bit) 4x Analog Outputs (0 V … 10 V, 12 Bit) 2x PWM outputs (24 V, 150 mA) 2x Inc. Encoder Inputs (A/B/Z) (WAGO 737-112) |
| Mounting | Top hat DIN rail snap-on mounting 35 x 15 mm (EN 50022), 35 x 7.5 mm (EN 50022) and 15 x 5 mm (EN 50045) DIN |
| Size | 111 x 118 x 54.5 mm 4.4 x 4.7 x 21.5 in |
| Weight | 290 g / 0.64 lb |

Dimensions.