



Digital interface modules



EA-IF-AB Series

- Simple installation (plug 'n play)
- Retrofittable and exchangeable by the user
- Easy configuration via a setup menu on the device
- Galvanic isolation up to 2500 V

General

Series EA-IF-AB offers a set of pluggable, digital interface modules for all series released since 2012 which feature a module slot, such as EA-ELR 9000, EA-PSI 9000 and more, as well as upcoming series of programmable power supplies or electronic loads which also feature that slot.

LabView and programming languages

Ready-to-use LabView VIs for interfaces of type RS232 and Ethernet are included. The other interfaces can be integrated into any kind of control applications by different means. The communication protocol is open and included in the documentation. Thus it can be integrated in virtually any programming language.

Software and drivers

The devices of the series which can host these modules are delivered with an USB stick which includes documentation, drivers and software.

RS232

- Type: EA-IF-AB-RS232 (Ordering number: 35400101)
- Transfer speed: max. 115200 Bd
- D-sub, male, 9 pole for null modem cable
- SCPI and ModBus RTU protocol



CANopen

- Type: EA-IF-AB-CANO (Ordering number: 35400100)
- Transfer speed: max. 1MBit/s
- Basic CANopen slave
- Auto-baud
- EDS (Electronic Data Sheet) included
- 1x D-Sub socket, male, 9 pole



EA-IF-AB

Profibus

- Type: EA-IF-AB-PBUS (Ordering number: 35400103)
- Transfer speed: max. 12MBit/s
- Full DPV1 slave
- GSD (Generic Station Device) file included
- 1x D-Sub socket, female, 9 pole



ProfiNet I/O (1 port / 2 ports)

- Type: EA-IF-AB-PNET1P (Ordering number: 35400105)
- Type: EA-IF-AB-PNET2P (Ordering number: 35400110)
- Transfer speed: 100MBit/s, full duplex
- GSDML included
- 1x RJ45 socket, 8 pole (1P)
- 2x RJ45 socket 8 pole, with Ethernet switch (2P)



Ethernet (1 port / 2 ports)

- Type: EA-IF-AB-ETH1P (Ordering number: 35400104)
- Type: EA-IF-AB-ETH2P (Ordering number: 35400108)
- Transfer speed: 10/100MBit/s
- Transparent socket
- 1x RJ45 socket, 8 pole (1P)
- 2x RJ45 socket 8 pole, with Ethernet switch (2P)



ModBus TCP (1 port / 2 ports)

- Type: EA-IF-AB-MBUS1P (Ordering number: 35400107)
- Type: EA-IF-AB-MBUS2P (Ordering number: 35400109)
- Supports ModBus TCP frame over port 501
- Supports ModBus RTU over any other port
- Transfer speed: 10/100MBit/s
- 256 Bytes in/out
- 1x RJ45 socket, 8 pole (1P)
- 2x RJ45 socket 8 pole, with Ethernet switch (2P)



CAN

- Type: EA-IF-AB-CAN (Ordering number: 35400111)
- Transfer speed: max. 1MBit/s
- CAN standard 2.0 A and 2.0 B compatible
- 1x D-Sub socket, male, 9 pole



EtherCAT

- Type: EA-IF-AB-ECT (Ordering number: 35400112)
- Basic EtherCAT slave
- CANopen protocol (CoE)
- PDOs and SDOs
- Diagnostic LEDs on the body

