

PROFI  
BUS

EtherNet/IP

PROFI  
NET

DeviceNet

Modbus

CANopen

EtherCAT



## TB20. DISTRIBUTED FIELDBUS I/O SYSTEM

With the TB20 I/O system you generate efficient and functional added value for a variety of application areas – irrespective of the fieldbus and proven in practice!



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**Helmholz**<sup>®</sup>  
COMPATIBLE WITH YOU

## MODULE RANGE

توجه:

با کلیک روی کد فنی هر محصول، به صفحه داخلی محصول مربوطه هدایت می شوید

### Bus Coupler

TB20-C, Bus Coupler PROFINET IO	600-180-1AA11
TB20-C, Bus Coupler PROFIBUS-DP Slave	600-151-1AA11
TB20-C, Bus Coupler CANopen® Slave	600-160-1AA11
TB20-C, Bus Coupler DeviceNet Slave	600-165-1AA11
TB20-C, Bus Coupler ModbusTCP	600-170-1AA11
TB20-C, Bus Coupler EtherNet/IP	600-175-1AA11
TB20-C, Bus Coupler EtherCAT	600-185-1AA11

### Digital Input Modules

	Order no.
DI 2x DC 24 V	600-210-0AB01
DI 4 x DC 24 V	600-210-0AD01
DI 8 x DC 24 V	600-210-0AH01
DI 16 x DC 24 V	600-210-0AP21
DI 8 x DC 24 V, GND reading	600-210-0DH01
DI 16 x DC 24 V, GND reading	600-210-0DP21
DI 3 x DC 24 V, 3-wire	600-210-0CC01
DI 6 x DC 24 V, 3-wire	600-210-0CF21
DI 4 x AC 230 V, per channel N, type 1	600-211-0BD01
DI 8 x AC 230 V, per channel N, type 1	600-211-0BH21

### Digital Output Modules

	Order no.
DO 4 x DC 24 V, 500 mA	600-220-0AD01
DO 8 x DC 24 V, 500 mA	600-220-0AH01
DO 16 x DC 24 V, 500 mA	600-220-0AP21
DO 8 x DC 24 V, 300 mA, sink	600-220-0DH01
DO 16 x DC 24 V, 300 mA, sink	600-220-0DP21
DO 4 x DC 24 V, 700 mA, High Feature	600-220-7AD01
DO 8 x DC 24 V, 700 mA, High Feature	600-220-7AH01
DO 16 x DC 24 V, 700 mA, High Feature	600-220-7AP21
DO 2 x DC 24 V, 2 A	600-220-0BB01
DO 4 x DC 24 V, 2 A	600-220-0BD01
DO 2 x relays, 5 A, AC 230 V, change-over	600-222-0AB01
DO 4 x relays, 5 A, AC 230 V, change-over	600-222-0AD21

### Digital Mix Modules

	Order no.
DIO 4 x In/4 x Out DC 24 V, 500 mA	600-230-0AH01
DIO 8 x Out/8 x In DC 24 V, 500 mA	600-230-0AP21

### Analog Input Modules

	Order no.
AI 2 x I, 0/4–20 mA, ±20 mA, 12 Bit	600-250-4AB01
AI 4 x I, 0/4–20 mA, ±20 mA, 12 Bit	600-250-4AD01
AI 2 x I, 0/4–20 mA, ±20 mA, Iso., 16 Bit	600-250-7BB01
AI 4 x I, 0/4–20 mA, ±20 mA, Iso., 16 Bit	600-250-7BD01
AI 8 x I, 0/4–20 mA, ±20 mA, Iso., 16 Bit	600-250-7BH21
AI 2 x U, ±10 V, 0–10 V, 1–5 V, 12 Bit	600-252-4AB01
AI 4 x U, ±10 V, 0–10 V, 1–5 V, 12 Bit	600-252-4AD01
AI 2 x U, ±10 V, 0–10 V, 1–5 V, Iso., 16 Bit	600-252-7BB01
AI 4 x U, ±10 V, 0–10 V, 1–5 V, Iso., 16 Bit	600-252-7BD01
AI 8 x U, ±10 V, 0–10 V, 1–5 V, Iso., 16 Bit	600-252-7BH21
AI 4 x U, ±24 V, 0–24 V, 12 Bit	600-252-4CD01
AI 8 x U, ±100V, 0–100 V, Iso., 16 Bit	600-252-7DH21
AI 2/4x R, RTD, 16 bit, 2/3/4 wire	600-253-4AD01
AI 8 x R, RTD, 16 bit, 2 wire	600-253-4BH21
AI 4 x TC, Iso., 16 Bit	600-254-4AD02
AI 8 x TC, Iso., 16 Bit	600-254-4AH22

### Analog Output Modules

	Order no.
AO 2 x I, 0/4–20 mA, 12 Bit	600-260-4AB01
AO 4 x I, 0/4–20 mA, 12 Bit	600-260-4AD01
AO 2 x U, ±10 V, 0–10 V, 1–5 V, 12 Bit	600-261-4AB01
AO 4 x U, ±10 V, 0–10 V, 1–5 V, 12 Bit	600-261-4AD01

### Function Modules

	Order no.
1 x counter 24 V, 500 kHz, 32 Bit	600-300-7AA01
1 x counter 5 V (RS422), 4 MHz, 32 Bit	600-310-7AA01
1 x SSI encoder interface	600-320-7AA01
2 x Counter Economy 24 V, 1 KHz, 32 Bit	600-300-1AB01
4 x Counter Economy 24 V, 1 KHz, 32 Bit	600-300-1AD01
Energy meter, 1 A	600-255-7AA21
Energy meter, 5 A	600-255-7BA21
Strain gauge weighing module	600-256-7AA01

### System Modules

	Order no.
Power and isolation Module DC 24 V, 8 A	600-710-0AA01
Potential Distributor 4 x DC 24 V, High Feature	600-730-4AD01
Potential Distributor 9 x DC 24 V	600-720-0AH01
Potential Distributor 9 x GND	600-720-0BH01
Potential Distributor 10 x AUX	600-720-0CH01
Potential Distributor 4 x DC 24 V + 4 x GND	600-720-0DH01
Potential Distributor 9 x free Pot.	600-720-0XH01

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