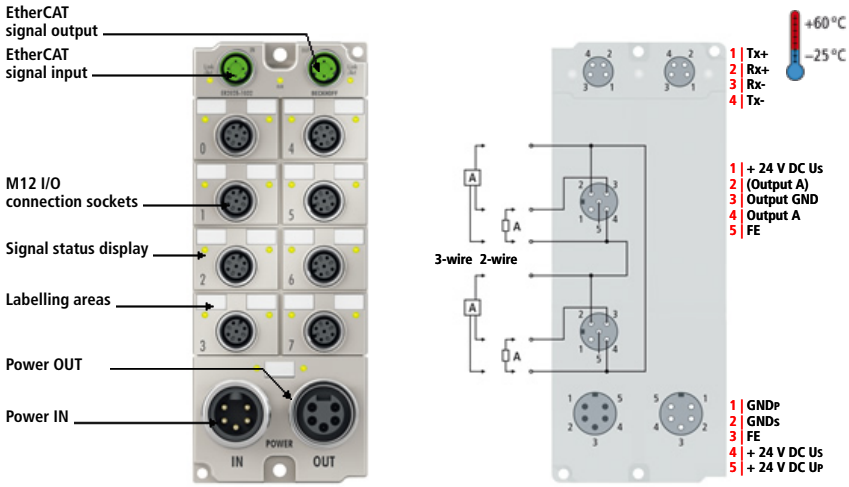

ER2028-1032 | I/O connection | Connector assignment

ER2028-1032 | 8-channel digital output 24 V DC, I_{MAX} = 2.8 A (∑ 16 A)

The ER2028-1032 EtherCAT Box with digital outputs connects the binary control signals from the controller on to the actuators at the process level. The eight outputs handle load currents of up to 2.8 A each, although the total current is limited to 16 A.

The signal state is indicated by means of light emitting diodes. The signals are connected via M12 screw type connectors. All outputs are short-circuit-proof and protected against inverse connection.

The EtherCAT Box modules with zinc die-cast housing are ready for use in harsh industrial and process environments. With the fully sealed design and metal surfaces the ER series is ideal for applications requiring enhanced load capacity and protection against weld spatter, for example.

Technical data	ER2028-1032
Number of outputs	8
Output connections	M12, screw type
Protocol	EtherCAT
Load type	ohmic, inductive, lamp load
Nominal output voltage	24 V DC (-15 %/+20 %)
Max. output current	2.8 A per channel, individually short-circuit-proof, total current max. 16 A
Short circuit current	max. 14 A
Distributed clocks	–
Auxiliary power current	typ. 20 mA + load
Current consumption from Us (without sensor current)	130 mA
Power supply connection	feed: 1 x 7/8" plug, 5-pin; downstream connection: 1 x 7/8" socket, 5-pin
Bit width in the process image	8 outputs
Electrical isolation	500 V
Special features	1 output per M12 plug, 16 A total current
Operating/storage temperature	-25…+60 °C/-40…+85 °C
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 65/66/67 (conforms to EN 60529)/variable
Approvals	CE, UL in preparation

Accessories	
ZK1090-3xxx-xxxx	Cables for EtherCAT signal in- and -output
ZK2000-6xxx-xxxx	Cables for M12 I/O connection sockets
ZK2030-xxxx-xxxx, ZK2031-xxxx-xxxx	Cables for 7/8" power supply