



EP2817-0008 | 24-channel digital output 24 V DC, $I_{\max} = 0.5$ A

The EP2817-0008 EtherCAT Box with digital outputs connects the binary control signals from the controller on to the actuators at the process level. The 24 outputs handle load currents of up to 0.5 A each. All outputs are short-circuit-proof, protected against inverse connection and can be diagnosed. An output short-circuit is recognised and passed on to the controller.

The signal connection is realised by a 25-pin D-sub socket. Undervoltage detection (supply voltage < 18 V DC) is integrated and is signalled to the controller.

Technical data	EP2817-0008
Number of outputs	24
Output connections	D-sub socket, 25-pin
Protocol	EtherCAT
Load type	ohmic, inductive, lamp load
Nominal output voltage	24 V DC (-15 %/+20 %)
Max. output current	0.5 A per channel, individually short-circuit-proof, Σ 4 A
Short circuit current	max. 1.0 A
Distributed clocks	yes
Current consumption from Us	120 mA
Auxiliary power current	typ. 20 mA + load
Power supply connection	feed: 1 x M8 male socket, 4-pin; downstream connection: 1 x M8 female socket, 4-pin
Bit width in the process image	24 outputs, 24 inputs (diagnostics)
Electrical isolation	500 V
Special features	undervoltage detection for Us and Up < 18 V
Weight	approx. 165 g
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

Accessories	
ZK1090-3xxx-xxxx	Cables for EtherCAT signal in- and -output
ZK2020-3xxx-xxxx	Cables for M8 power supply
ZS2002-0111	D-sub plug, 25-pin, solder contacts, IP 67