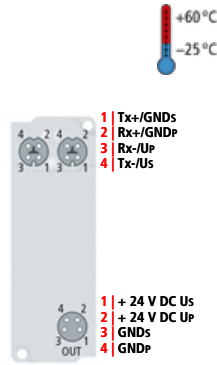


EPP9022-9060



Connector assignment

EPP9022-9060 | EtherCAT P Box with diagnostics, TwinSAFE SC

The EPP9022-9060 EtherCAT P Box in space-saving form factor can be used for diagnosing and measuring the voltages U_s and U_p and currents I_s and I_p , both temporarily during commissioning and permanently during operation. Even without an EtherCAT master, the voltage range is displayed on the box by LEDs (green, yellow and red). In a running EtherCAT network, the values of U_s , U_p , I_s and I_p can also be read out as process data in the master. The voltage levels for the LED displays can be adjusted by CoE. In addition the EPP9022-9060 is equipped with an M8 power socket to which an external multimeter can be connected for measuring the voltages.

With the aid of the TwinSAFE SC technology (TwinSAFE Single Channel) it is possible to make use of standard signals for safety tasks in any network or fieldbus. The properties typical for the signals and the standard functions of the I/O components are retained. The data from the TwinSAFE SC components is fed via a TwinSAFE protocol to the TwinSAFE Logic, where it can be used in the context of safety-relevant applications. Detailed examples confirmed/calculated by the TÜV SÜD for the correct application of the TwinSAFE SC components and the respective normative classifications can be found in the TwinSAFE application manual.

Technical data	EPP9022-9060
Task within EtherCAT system	diagnostics of the U_s/U_p voltages and I_s/I_p currents
Number of channels	IN: 1 x EtherCAT P, OUT: 1 x EtherCAT P
Nominal voltage	24 V DC (-15 %/+20 %)
Total current	feed-in max. 3 A per U_s and U_p
Current consumption from U_s	typ. 100 mA
Current rating per port	max. 3 A per U_s and U_p
Power supply connection	not necessary
Bus interface	M8 socket, shielded, screw type, EtherCAT-P-coded
Protocol	EtherCAT P
Special features	diagnostic LED for U_s , diagnostic LED for U_p , TwinSAFE SC
Weight	approx. 90 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/markings	CE, UL

Accessories	
ZK700x-010x-0xxx	Cables for EtherCAT P: Ultra-fast Communication and Power in One Cable