



EP9300-0022 | PROFINET RT EtherCAT Box



The EP9300-0022 EtherCAT Box connects PROFINET RT networks to the EtherCAT Box modules (EPxxxx, ERxxxx and EQxxxx) and converts the telegrams from PROFINET RT to EtherCAT. One station consists of an EP9300-0022 and any number of EtherCAT Box modules. The box is connected to PROFINET RT via a D-coded M12 socket. With EtherCAT, the PROFINET RT box can use the powerful and ultra-fast I/O system with its large selection of EtherCAT Box modules. The EP9300-0022 supports the PROFINET RT profile and seamlessly fits into PROFINET RT networks.

Technical data	EP9300-0022
Task within EtherCAT system	coupling of standard digital and analog EtherCAT Box modules to PROFINET RT networks
Number of EtherCAT Box modules	depending on the process data size
Type/number of peripheral signals	depending on the process data size
Input current	typ. 120 mA
Nominal voltage	24 V DC (-15 %/+20 %)
Bus interface	2 x M12 socket, D-coded (switched)
Protocol	PROFINET RT
Data transfer rates	100 Mbit/s
Configuration	automatic
Electrical isolation	500 V
Power supply	24 V DC (-15 %/+20 %)
Special features	potted, shock- and vibration-resistant
Weight	approx. 320 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	
ZK1090-3xxx-xxxx	Cables for EtherCAT signal in- and -output
ZK1090-6xxx-xxxx	Cables for M12 EtherCAT/Ethernet signal in- and -output
ZK2020-3xxx-xxxx	Cables for M8 power supply

System	
PROFINET	For further PROFINET products please see the system overview .