



## **i** EK1121-0010 | 1-port EtherCAT junction, Extended Distance

In combination with an EK1101-0010 EtherCAT Extended Distance Coupler, the single-port EK1121-0010 EtherCAT Extended Distance junction enables the bridging of distances up to 300 m. The EK1121-0010 can be installed at any point in an EtherCAT segment between the EtherCAT Terminals (ELxxx). The EtherCAT junction is connected via an RJ45 socket. The link and activity status is displayed directly at the port next to the Run LED.

Technical data	EK1121-0010
Task within EtherCAT system	coupling of 100BASE-TX EtherCAT networks
Data transfer medium	Ethernet/EtherCAT cable (min. Cat. 5), shielded
Distance between stations	max. 300 m (copper, Cat. 5, 4-wire)
Protocol	EtherCAT
Delay	approx. 1 $\mu$ s
Data transfer rates	100 Mbit/s
Configuration	not required
Bus interface	1 x RJ45
Power supply	from E-bus
Current consumption	typ. 160 mA
Weight	approx. 65 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
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 20/variable
Approvals	CE

Accessories	
<b>Cordsets</b>	cordsets and connectors

System	
<b>EtherCAT</b>	For further EtherCAT products please see the <a href="#">system overview</a> .

<b>i</b> <b>Product announcement</b>	estimated market release 2nd quarter 2019
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