

KPA EtherCAT 4CAN Gateway

The KPA EtherCAT 4CAN Gateway is an EtherCAT slave for connecting of 4 raw CAN buses to an EtherCAT network. This device even meets the EMI requirements of automotive testing industry.

Advantages

- Can be placed close to CAN devices
- Suitable for harsh environments (IP, EMI)
- Replaces OS dependent on PCI CAN boards



EtherCAT

- FoE for firmware update
- MDP support for configuring with any EtherCAT Master configuration tool

Technical specification

| | |
|---------------------------|---|
| 3 Technical specification | EtherCAT interface: 2 x M12; CAN interface: 4 x M12 |
| IP level | IP 65 |
| Power supply | 9...40V DC via M12 |
| Power consumption | 180mA@24VDC |
| Operating temperature | 0...70° (commercial) |
| Dimensions, mm | 124x113x42 (150x113x42 with sockets) |
| EMV-ILA ^[*] | Class B fulfilled |
| Mounting options | DIN rail; compatible to 19" 3U systems by adapters |

CAN specification

| | |
|----------------------|--|
| Identifier | 11-bit and 29-Bit format |
| Data buffering | Size adjustable |
| Baud rate | Any baud rate up to 1 MBit/s |
| Electrical Isolation | 1,3 kV between all channels and ground |
| Termination | External |

Ordering information

| | |
|-------------|---------------------------|
| Part number | 4001 0004 |
| Part name | KPA EtherCAT 4CAN Gateway |

Optional components

| | |
|-------------------------------|---|
| 2x Adapter M12 Ethernet cable | 2x Ethernet - SFTP 1,5m [RJ45 > M12MSD] |
| 4x Adapter M12 CAN cable | 4x CAN - 1m [M12FS > SUB9M] |
| 1x Adapter M12 Power cable | 1x Powercable - 1x 1,5m [M12FSB] |
| 1x Clamp for DIN rail | |

**Integration Guide* for achieving electromagnetic compatibility in electrical systems in the automotive industry.

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