

MODULAR I/O

Kuhnke FIO OC Counter-Encoder (CoE)

694 434 53

The Kuhnke FIO Safety OC Counter/Encoder module counts binary pulses and transmits the counter readings, electrically isolated, to the higher-level safety PLC. 2 counters are available. The module can operate as an A-B-Ref or up/down counter. It can be switched between single and multiple evaluation of the encoder signals. In normal operation, the digital inputs and the output are used as digital I/Os with control or status display via the bus. By configuring accordingly, the output can also be controlled depending on a counter. Furthermore, input signals can be used for clearing, initialising or freezing the counter status.

In addition, with the Kuhnke FIO OC module, these data are transmitted via a protected telegram and can thus be used in conjunction with the Kuhnke FIO Safety PLC in the context of safety-relevant applications.

Typical applications of the OC modules with two different measuring methods are:

- Speed monitoring for the realisation of **Safe Position (SP)** and **Safe Speed (SLS)**.



DESCRIPTION	VALUE
Function	Counter, multifunctional, OC technology
Model	Control cabinet module
Digital I/Os (integrated)	not included
Analogue I/Os (integrated)	not included
Integrated function	Safe analogue value transmission to the Safety PLC, 2 x counter/encoder: RS422 32Bit 5MHz or 5/24V SE 32 Bit 1,6 MHz or SSI 18-32 Bit 80-1000kbit/s or EnDAT 2.1 100 kHz-2 MHz or 6 x event counter HTL/TTL 32 Bit 1kHz
Interfaces	not included
Product status	Standard product
Field bus interfaces	EtherCAT / CoE
Type of connection	female plug with PUSH IN spring connection
Status indication	LEDs allocated to the point of termination
Housing material	Aluminium frame, plastic housing
Dimensions (W x H x D)	25 x 120 x 90 mm
IP-Protection Class	IP 20
Supply voltage	24 V DC (-15% ... +20%)
Operating temperature	0 ... +55°C
Immunity	Zone B according to EN 61131-2
Certifications	CE, UL

CONTACT

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PRODUCT

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