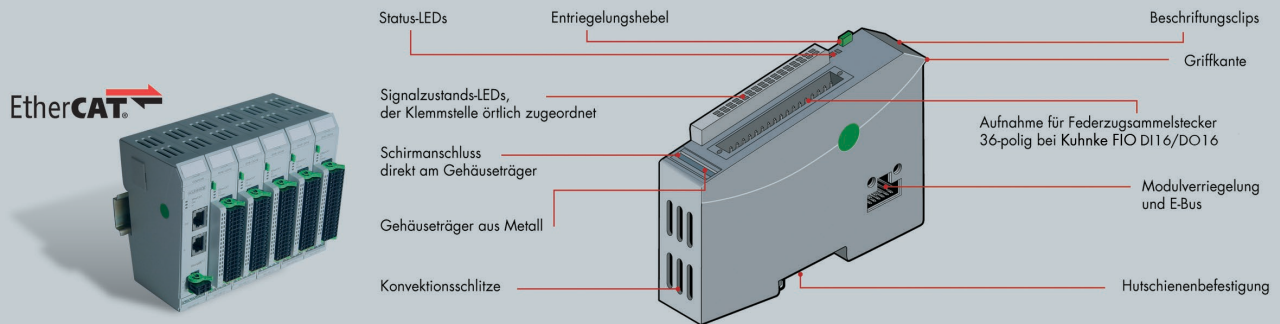


Kuhnke FIO

Control Technology



Description	Order number	Function
Controller (CODESYS PLC)	694 300 16 000 Kuhnke FIO Controller 116	PLC with RS232, CANopen®, EtherCAT®
	694 500 16 000 Kuhnke FIO Controller 116 SM	like 116 but with CODESYS-Softmotion
	694 600 16 000 Kuhnke FIO Controller 116 CNC	like 116 but with CODESYS-CNC & Rob.
	further versions e.g. with WebVisu and OPC UA on demand	
	With extension (2 x RJ45) left side, OPC UA and WebVisu:	
	694 321 16 001 Kuhnke FIO Controller 116 LAN	like 116 but with Ethernet extension
694 322 16 001 Kuhnke FIO Controller 116 IRT	like 116 but with PROFINET® Device ext.	
694 323 16 001 Kuhnke FIO Controller 116 EC	like 116 but with EtherCAT® Slave ext.	
EtherCAT® bus coupler	694 400 00 Kuhnke FIO Coupler, 3A	EtherCAT® RJ45 In / Out
	694 400 10 Kuhnke FIO Coupler DI16/DO16	2A, EtherCAT® RJ45 In / Out, 16 Inputs 3ms, 16 Outputs 0.5A
Extension modules Communication	694 400 02 Kuhnke FIO Extender	2 x EtherCAT RJ45 Out
	694 455 02 Kuhnke FIO RS485 1 Port	1 x RS485
	694 455 04 Kuhnke FIO RS232 2 Port	2 x RS232
	694 455 06 Kuhnke FIO CAN Master/Slave	1 x CAN
Extension modules Digital input / output	694 450 02 Kuhnke FIO DI16/DO8 1A	16 Inputs 1ms, 8 Outputs 1A
	694 450 03 Kuhnke FIO DI16/DO16	16 Inputs 1ms, 16 Outputs 0.5A
	694 450 04/ 05 Kuhnke FIO DI8/DO8	8 Inputs 5ms/ 1ms, 8 Outputs 0.5A
	694 451 02/ 04 Kuhnke FIO DI32	32 Inputs 1ms/ 5ms
	694 451 03 Kuhnke FIO DI16	16 Inputs 1ms
	694 452 01 Kuhnke FIO DO16	16 Outputs 0.5A
	694 452 02 Kuhnke FIO DO8 1A	8 Outputs 1A
	694 452 06 Kuhnke FIO DO8 2A	8 Outputs 2A
	694 452 03 Kuhnke FIO DO8 Relay NO 24V	8 Relay-Outputs, NO, 24V 2A
694 452 04 Kuhnke FIO DO8 Relay NO 230 VAC	8 Relay-Outputs, NO, 230VAC 2A	
Extension modules Analogue input / output (each channel configurable via CoE)	694 441 51 Kuhnke FIO AI4-I 12Bit	4 Inputs 0(4)..20mA
	694 441 52 Kuhnke FIO AI4/8-U 13Bit	4 diff. / 8 s.e. Inputs 0..10V / -10..+10V
	694 441 53 Kuhnke FIO AI8/16-U 13Bit	8 diff. / 16 s.e. Inputs 0..10V / -10..+10V
	694 441 54 Kuhnke FIO AI8-I 12Bit	8 Inputs 0(4)..20mA
	694 442 52 Kuhnke FIO AO4-U/I 16Bit	4 Outp. 0(4)..20(24)mA / 0..10V, -10..+10V
	694 444.65 Kuhnke FIO AI4 12 Bit/AO4 16 Bit	4 Inputs 0..10V/0(4)..20mA, 4 Outputs 0(4)..20mA / 0..10V, -10..+10V
Extension modules Temperature input (each channel configurable via CoE)	694 443 57 Kuhnke FIO AI4-PT/Ni100 16 Bit	4 Inputs bzw.
	694 443 58 Kuhnke FIO AI8-PT/Ni1000 16 Bit	8 Inputs PT100 / Ni100 oder PT1000 / Ni1000 oder Thermo Typ J, K oder mV

Extension modules Counter / CAM Control / Drive Control	694 444 01 Kuhnke FIO Counter 2 694 454 01 Kuhnke FIO Counter/ Posi 2 694 454 53 Kuhnke Counter/ Encoder 654 444 11 Kuhnke FIO CAM Control 694 454 16 Kuhnke FIO Drive Control	2 Counter 400kHz 2 Counter 400kHz, 2 AO* 0V..10V 2 Counter or 2 Encoder SSI, EnDAT 2.1 24 CAM-Outputs 0.5A, 1 DI* 1ms, 4 AI* 24V od. 0..10V) Stepper- or brushless motor, 5A
Extension modules Mixed I/O	694 444 62 Kuhnke FIO MIX 02 694 444 64 Kuhnke FIO MIX 04	4 DI*, 24 DO*, 4 AI*,ABRef, configurable 4 AI 12Bit, 4AO 16Bit, 2 Counter/ Encoder configurable via CoE
Extension modules Safety	694 330 00 Kuhnke FIO Safety PLC 694 430 00 Kuhnke FIO Safety SDI4/SDO2 694 430 10 Kuhnke FIO Safety SDI8/SDO2 694 430 20 Kuhnke FIO Safety SDI16/SDO4 694 431 00 Kuhnke FIO Safety SDI16	FSoE Master, CODESYS Safety FSoE Slave, 4 safe DI*, 2 safe DO* FSoE Slave, 8 safe DI*, 2 safe DO* FSoE Slave, 16 safe DI*, 4 safe DO* FSoE Slave, 16 safe DI*

*DI=digital Inputs, DO=Digital Outputs, AI=Analogue Inputs, AO=Analogue Outputs

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