

# EtherCAT I/O Modules

## Analog E-I/O Modules



- Compact EtherCAT I/O extension
- Modularly expandable
- Can be used centrally and decentrally
- Connection with Ethernet lines up tp 100m
- CODESYS V3 support
- Easy configuration
- Up to 16 analog Inputs
- 4 analog Outputs

Data					
Description	AI4-I 12BIT CoE	AI8-I 12BIT CoE	AI4/8-U 13BIT CoE	AI8/16-U 13BIT CoE	AO4-U/I 16BIT CoE
Art. No.	204804000	204804100	204804200	204804300	204804600
Dimensions WxHxD [mm]	25 x 120 x 90				
Weight	Approx. 150 g				
Mounting	Mounting rail NS 35/7,5 EN 50022				
Certification	CE (EN 61131-2) / cULus (UL 61010-2-201)				
Development environment	CODESYS V3 (IEC61131-3)				
Communication interfaces	1 x EtherCAT, LVDS				
Protocols	EtherCAT Slave				
Analog I/O	4x analog Input current	8 x Current Input current	4 x differential or 8 x single ended analog Input volt- age	8 x differential or 16 x single ended analog Input volt- age	4 x universal analog Output
	0(4)..20mA,	0(4)..20mA	0(-10)..10V -5..5V -2,5..2,5V	0(-10)..10V -5..5V -2,5..2,5V	0(-10)..10V 0(4)..20mA
	Resolution: 12 Bit	Resolution: 12 Bit	Resolution: 13 Bit	Resolution: 13 Bit	Resolution: 16 Bit

Data					
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Supply Voltage	+24 VDC (-20% / +25%) SELV max. AC voltage component 5% with reverse polarity protection				
Current draw	Typ. 0,2 A, max. 0,2 A at +24 VDC				
Operating conditions Transport / Storage	Ambient temperature: operational: 0 °C to 55 °C / transport: -25 °C to +70 °C				
	Relative humidity: max. 95 %, non-condensing				
<b>EMC, protection type</b>					
Emitted interference	EN 61131-2				
Immunity to interference	EN 61131-2				
Protection class	III				
Insulation strength	EN 61131-2				
Protection type	IP20				
Vibration	Sinusoidal (EN 60068-2-6) test: Fc; 10 ... 150 Hz, 1 G (Operation Mode)				
Schock resistance	15 G (ca. 150 m/s <sup>2</sup> ), 10 ms duration, half-sine (EN 60068-2-27) test: Ea				

EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

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