

# EtherCAT I/O Modules

## Digital E-I/O Modules



- Compact EtherCAT I/O extension
- Modularly expandable
- Can be used centrally and decentrally
- Connection with Ethernet lines up to 100m
- CODESYS V3 support
- Easy configuration
- Up to 32 digital Inputs
- 16 digital Outputs

Data				
Description	DI16 1ms	DI32 1ms	DO16 0,5A	DI16/DO16 1ms 0,5A
Art. No.	204800800	204800900	204801000	204800100
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) / cUL <sub>us</sub> (UL 61010-2-201)			
Development environment	CODESYS V3 (IEC61131-3)			
Communication interfaces	1 x EtherCAT, LVDS			
Protocols	EtherCAT Slave			
Digitale I/O	16 x digital Input	32 x digital Output	16 x digital Input	16 x digital Input 16 x digital Output
	1ms	1ms	0,5A	1ms / 0,5A

Data				
Description	DI16 1ms	DI32 1ms	DO16 0,5A	DI16/DO16 1ms 0,5A
Supply Voltage	+24 VDC (-20% / +25%) SELV max. AC voltage component 5% with reverse polarity protection			
Current consumption module electronics	Typ. 0,15 A, max. 0,2 A bei +24 VDC			
Current consumption dig. Outputs	Depending on output load, max. 8A (16x0.5A) over time			
Betriebsbedingungen Transport / Lagerung	Ambient temperature: operational: 0 °C bis 55 °C / transport: -25 °C bis +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)			
Shock 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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