

EtherCAT I/O Modules

Communication-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 16 digital Inputs
- Up to 16 digital Outputs

Data			
Description	Extender 2 Port	Bus coupler 3A	BK DI16/DO16 1ms 0,5A
Art. No.	204801500	204800000	204802900
Dimensions WxHxD [mm]	25 x 120 x 90		
Weight	ca. 150 g		
Mounting	Mounting rail NS 35/7,5 EN 50022		
Certification	CE (EN 61131-2) / cUL _{us} (UL 61010-2-201)		
Development Environment	CODESYS V3 (IEC61131-3)		
Communication interfaces	2 x EtherCAT Out, RJ45 1 x EtherCAT, LVDS	1 x EtherCAT In, RJ45 1 x EtherCAT Out, RJ45 1 x EtherCAT, LVDS	1 x EtherCAT In, RJ45 1 x EtherCAT Out, RJ45 1 x EtherCAT, LVDS
Protocols	EtherCAT Slave		
Digital I/O	-	-	16 x digital Inputs 16 x digital Outputs
	-	-	1ms / 0,5A

Data			
Description	Extender 2 Port	Bus coupler 3A	BK DI16/DO16 1ms 0,5A
Supply Voltage	Via Field bus	+24 VDC (-20% / +25%) SELV max. AC voltage component 5% with re- verse polarity protection	+24 VDC (-20% / +25%) SELV max. AC voltage component 5% with re- verse polarity protection
Current consumption module electronics	Typ. 0,16 A for Out1 max. 0,21A for Out1+Out2	Typ. 0,2 A, max. 0,2 A at +24 VDC	
Current consumption modules	-	max. 3 A (approx. 20 mo- dules)	max. 2 A (approx. 11 mo- dules)
Current consumption dig. Outputs	-	Depending on output load, max. 8 A (16x 0.5 A) over time	
Operating conditions	Ambient temperature: operational: 0 °C to 55 °C / transport: -25 °C to +70 °C		
Transport / Storage	Relative humidity: max. 95 %, non-condensing		
EMC, protection type			
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 ²), 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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