

Profibus DP module for EA25 – 250



General

Profibus is realized via an accessory board and M12 plug adapter. The actuator in a Profibus network can be looped through or used as an end position via a termination resistor.

- Profibus DP V0
- Baud rate 9'600 – 1.5M
- Connector: M12 (male & female for daisy chain)
- Power supply via standard device plug

Profibus commands

Signal type	Description	Parameter
Digital output (command)	Stop	
	OPEN	
	CLOSED	
	MIDDLE	
	Positioner	
	Desired actuator position	0 – 100 % of the end position
Digital input (feedback)	Actuator moving	
	Position OPEN	
	Position CLOSED	
	Position MIDDLE	
	Measured actuator position	0 – 100 % of the end position
	Remote control selected	
	Monitoring relay	
	Motor current	0-2'000 mA
	Internal temperature	0-100° C
Feedback from basic board	Low power voltage	
	Overtemperature active	
	Cycle time expired	
	Motor protection active	
	Thermostat triggered	
	Heater failed	
	Position detection failed	
	Actuator position invalid	
	Teaching mode active	
	Emergency manual active	
	Accessory failure	

Signal type	Description	Parameter
Accessories		
Fail-safe return (Failsafe return unit)	Fail-safe active	
	Battery active	
	Fail-safe time exceeded	
	Battery weak	
	Battery failure	
Monitoring (monitoring card)		
Digital output (command)	Activation of cycle time extension	
	Cycle time extension	0 ... 9
	Activation of cycle time monitoring	
	Limit cycle time monitoring	0 ... 9
	Activation cycle counter	
	Limit cycle counter	0 ... 9
	Activation of motor current monitoring	
Digital input (feedback)	Motor current limit	0 ... 9
	Cycle time extension active	
	Cycle time monitoring active	
	Cycle time monitoring exceeded	
	Cycle counter active	
	Cycle counter exceeded	
	Motor current monitoring active	
Motor current exceeded		
Profibus		
Digital input (feedback)	Watchdog recovery	
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