

Etherbox connector configuration

place	type	pin	description	remark
<b>Back</b>				
left	Binder 720 3-way	1	GND	
		2	24V	range 7 - 30V
middle	RJ-45		standard network cable	galvanic insulated
<b>Front</b>				
1st right top	Binder 720 12-way	1	encoder 2 I +	range 0 - 5V logic 1 if differential > 150mV
		2	encoder 2 I -	range 0 - 5V logic 1 if differential > 150mV
		3	encoder 2 B -	range 0 - 5V logic 1 if differential > 150mV
		4	encoder 2 B +	range 0 - 5V logic 1 if differential > 150mV
		5	encoder 2 A +	range 0 - 5V logic 1 if differential > 150mV
		6	encoder 2 A -	range 0 - 5V logic 1 if differential > 150mV
		7	PWM 2 open collector	120mA PTC fuse
		8	not used	
		9	5V	120mA PTC fuse
		10	GND	
		11	GND	
		12	GND	
2nd right top	Binder 720 12-way	1	encoder 1 I +	range 0 - 5V logic 1 if differential > 150mV
		2	encoder 1 I -	range 0 - 5V logic 1 if differential > 150mV
		3	encoder 1 B -	range 0 - 5V logic 1 if differential > 150mV
		4	encoder 1 B +	range 0 - 5V logic 1 if differential > 150mV
		5	encoder 1 A +	range 0 - 5V logic 1 if differential > 150mV
		6	encoder 1 A -	range 0 - 5V logic 1 if differential > 150mV
		7	PWM 1 open collector	120mA PTC fuse
		8	not used	
		9	5V	120mA PTC fuse
		10	GND	
		11	GND	
		12	GND	
1st right bottom	Phoenix 2.5 10-way left to right	1	GND	
		2	digital output 1	1500mA PTC fuse
		3	digital output 2	Output voltage equals power supply voltage
		4	digital output 3	
		5	digital output 4	
		6	digital output 5	
		7	digital output 6	
		8	digital output 7	
		9	digital output 8	
		10	GND	
2nd right bottom	Phoenix 2.5 10-way left to right	1	5V	120mA PTC fuse
		2	digital input 1	range 4-30V
		3	digital input 2	range 4-30V
		4	digital input 3	range 4-30V
		5	digital input 4	range 4-30V
		6	digital input 5	range 4-30V
		7	digital input 6	range 4-30V
		8	digital input 7	range 4-30V
		9	digital input 8	range 4-30V
		10	GND	
Analog input	BNC, insulated	centre mantle	Signal + Signal -	range -11V to +11V from GND range -11V to +11V from GND
Analog output	BNC, insulated	centre mantle	Signal GND	range -10V - +10V from GND