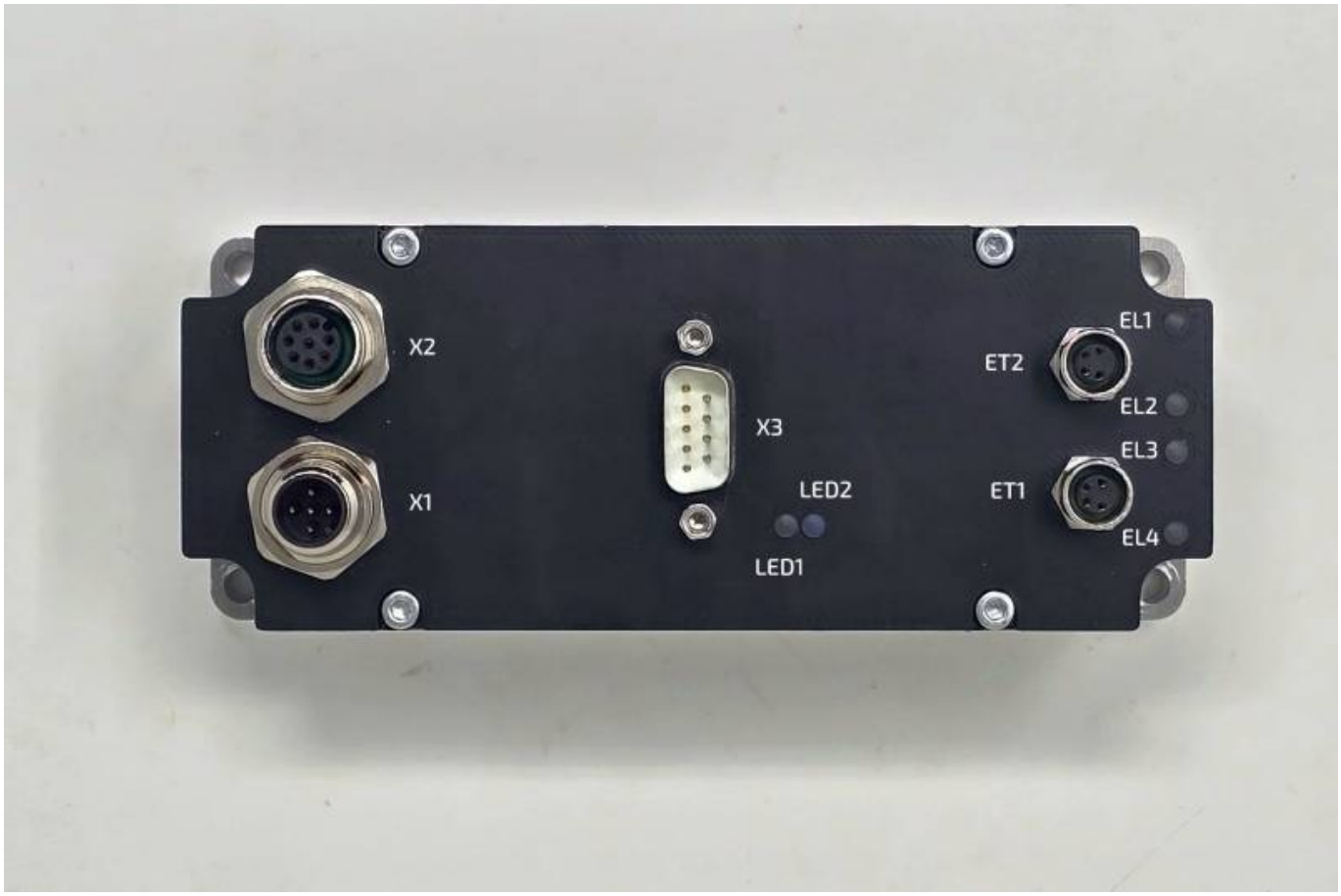
Connectors



LED Indicators

Indicators	Function	States	Color
LED1	EtherCAT Slave status	EtherCAT Ready - Led Active PreOP state - Led flashing INIT state - Led off SafeOP - Single flash	Green
LED2	EtherCAT Slave error status	EtherCAT Configuration Error - Led Blinking NO Error - Led off Unsolicited State Change - Led single flash Application Watchdog Timeout - Led Double flash PDI Watchdog Timeout - Led Active	Red
EL1	EtherCAT communication	Active - Connection to Ethercat	Orange
EL2	EtherCAT communication	Blinking - Link port activity	Green
EL3	EtherCAT communication	Active - Connection to Ethercat	Orange
EL4	EtherCAT communication	Blinking - Link port activity	Green

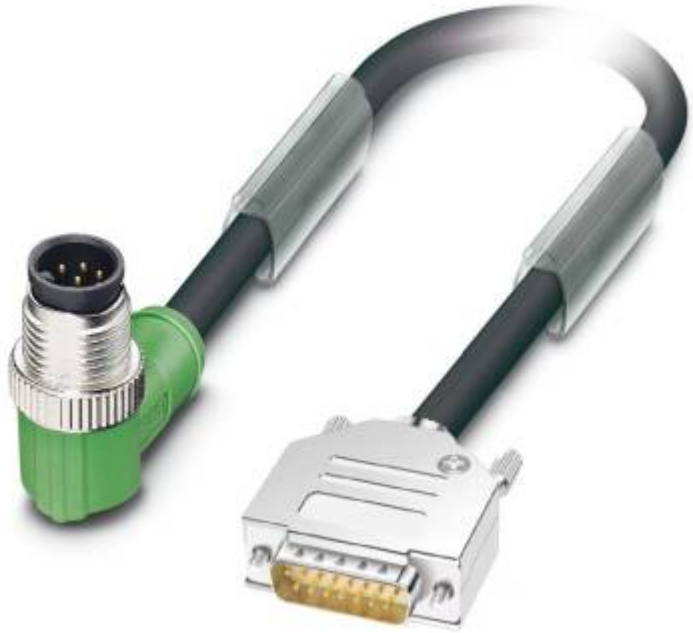
Connectors

X1 connector - 24VDC Power (M12 4 poles male)

M12 Power cable female DA00022011 flying leads.
The power cable terminates with two wire: RED (+24VDC), BLACK (GROUND).

X2 connector - Signal and communication (M12 8 poles female)

Signal cable male DA00012011 with D-SUB 15 male

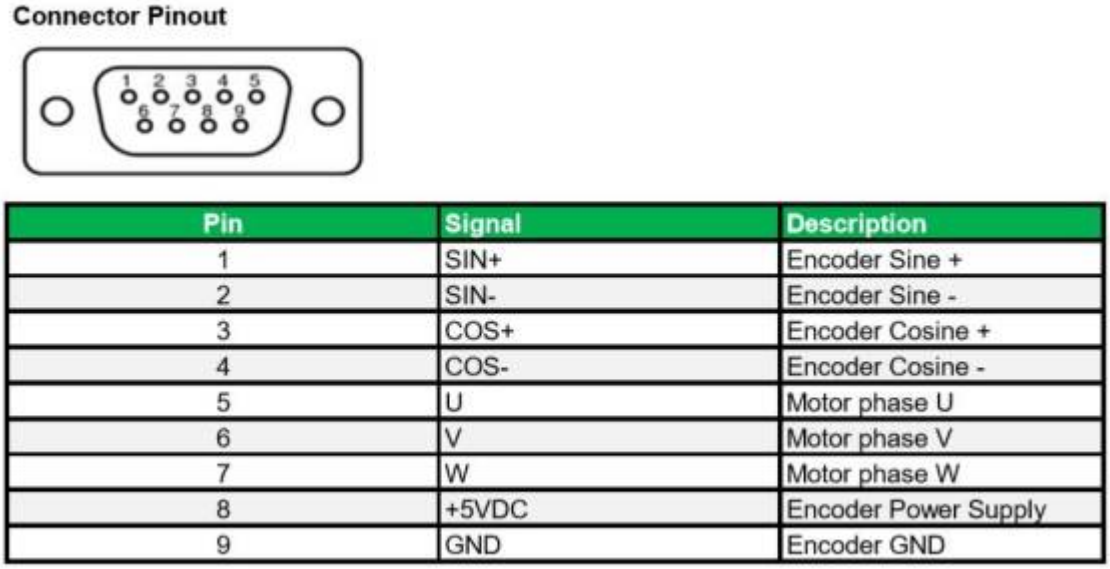


D-SUB 15 Pinout	SIGNAL	DESCRIPTION	FUNCTION
1	RS485_B	Modbus B	

2	RS485_A	Modbus A	
3	GND	Ground	
4	NC	Not connected	
5	NC	Not connected	
6	GND	Ground	
7	GND	Ground	
8	DIG_IN_0	Digital Input 0 (24V logic)	Enable/Homing
9	DIG_IN_1	Digital Input 1 (24V logic)	Motion trigger
10	DIG_OUT_0	Digital output 0 (24V logic, PNP)	Motor running
11	DIG_OUT_1	Digital output 1 (24V logic, PNP)	Motor fault
12	DIG_OUT_2	Digital output 2 (24V logic, PNP)	Programmable

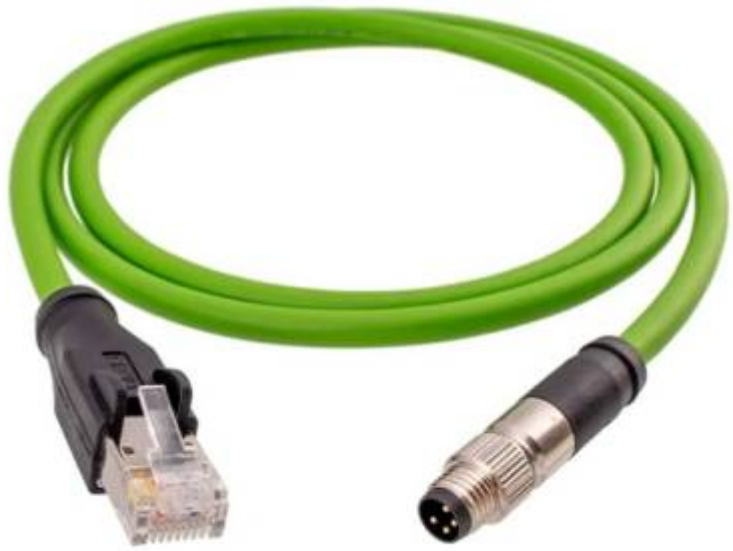
The programmable output have the following options: In Position, Homing in progress, Overtemp fa

X3 Motor phases and Feedback connector



Pin	Signal	Description
1	SIN+	Encoder Sine +
2	SIN-	Encoder Sine -
3	COS+	Encoder Cosine +
4	COS-	Encoder Cosine -
5	U	Motor phase U
6	V	Motor phase V
7	W	Motor phase W
8	+5VDC	Encoder Power Supply
9	GND	Encoder GND

ETH1 connector - EtherCAT IN (M8 4 poles female) DA0002911



ETH2 connector - EtherCAT OUT (M8 4 poles female) - PATCH CABLE DA0003911