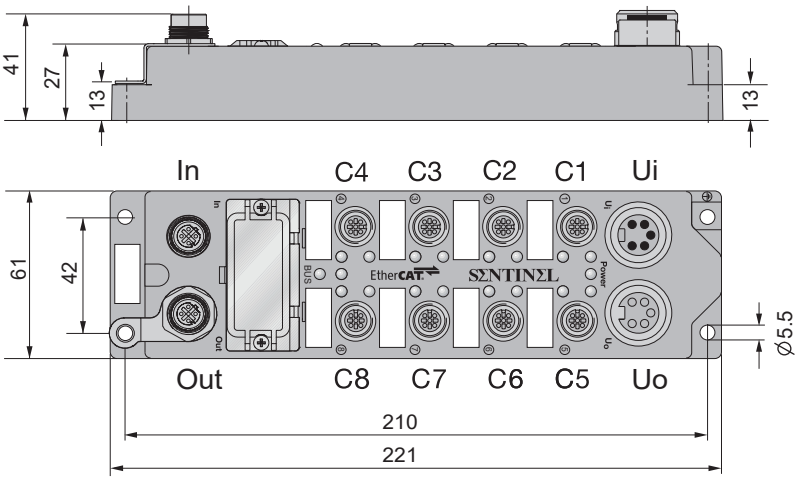
Remote I/O module conforming to the EtherCAT protocol

16 Digital inputs ELCT-IM16-0001 （PNP input）

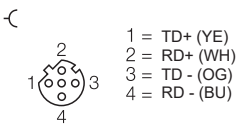
ELCT-IM16-0003 （NPN input）



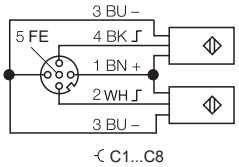
- EtherCAT remote I/O module
- Integrated Ethernet Switch
- Support 100Base-TX
- 2XM12,4-pin,D-code,Ethernet Fieldbus connection
- glass fiber housing
- Impact and vibration resistance
- Fully potted module electronics
- Copper-plated nickel connector
- Protection classes IP67

Modle	ELCT-IM16-0001、 ELCT-IM16-0003
Supply voltage	24VDC ± 10%
Operating current	< 200mA
Input	
Number of channels	16
Input type	PNP or NPN
input standard type	IEC 61131-2 Type 3
Voltage switch threshold	9.2V/10.4V
Input delay	3ms
Switch threshold	2.2mA
electrical Isolation mode	Optocoupler isolation
communication interface	
Number of communication interface	2
transmission mode	100Base-TX
Automatic consultation mechanism	YES
Automatic cross-flip	YES
Maximum transmission rate	100Mbit/s
Station address spin code setting	NO
Operating temperature	0-55℃

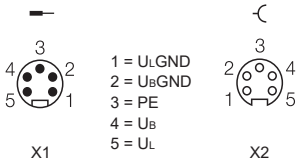
Bus connector M12



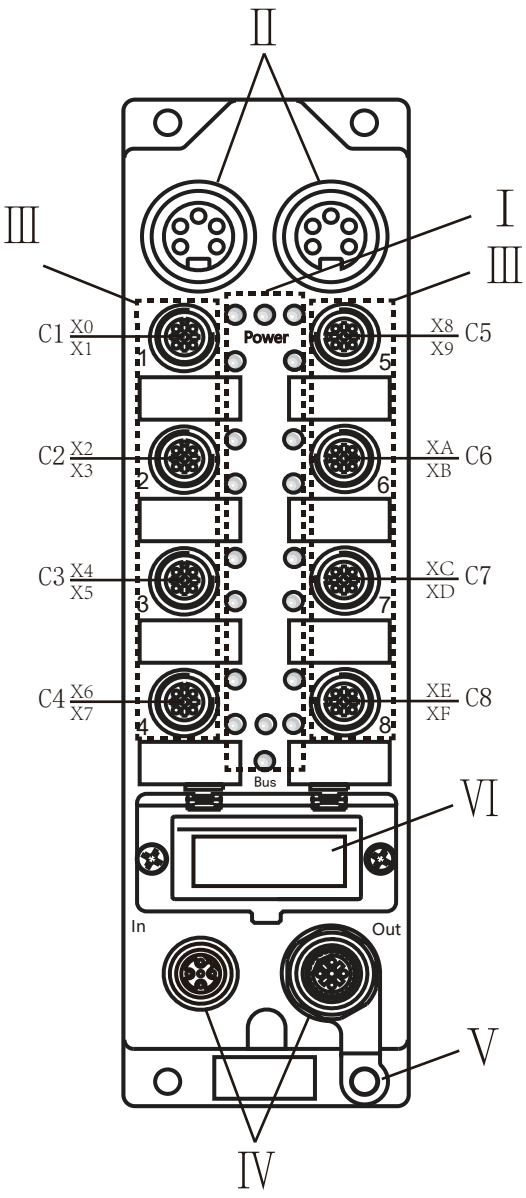
Input signal connector M12

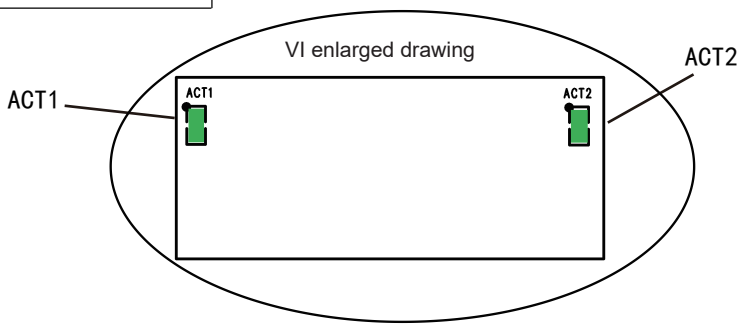


Power Supply Connector 7/8”



		Description	
I	module LEDS	LED name	Detailed introduction
		Power	Green LED lights: ON:The module power supply (Ub) is normal OFF:The module power supply is disconnected
		Bus	Green LED lights: OFF:The module is in the "INIT" state Fast flash:The module is in the "Pre-operational" state Slow flash:The module is in the "Safe-operational" state ON: The module is in the "OP" state
		X0 to XF OR Y0 to YF	Yellow LED lights: ON : Input or Output active OFF: Input or Output inactive (X : Input , Y : Output)
II	power suppy	Ui (left) : power suppy input , 7/8'', 5-pin , male Uo (right) : power suppy output , 7/8'', 5-pin , female	
III	Load connec-tion terminals	M12 A-code 5-pin , female C * indicates the * th port, X* represents the * bit in the input port, Y* indicates the * bit in the output port for example: $C1\frac{X0}{X1}$ means the C1 port is input, The fourth hole of the port is input X0, the second hole of the port is input X1. $C8\frac{Y6}{Y7}$ means the C8 port is output, The fourth hole of the port is output Y6, the second hole of the port is output Y7.	
IV	Bus	In (left) : Profinet Bus in , M12 , D-Code , 5-pin , female Out (right) : Profinet Bus out , M12 , D-Code , 5-pin , female	
V	PE	ground connection	
VI	Network status indicator	ACT1	Bus in ,Green LED lights : ON : Physical connections have been established OFF: No connection Flash: This port has data exchange
		ACT2	Bus out ,Green LED lights : ON : Physical connections have been established OFF: No connection Flash: This port has data exchange
	Station address settings	At present, the module does not support setting station address by rotary code, which needs to be manually or automatically assigned remotely	





The C * P * represents the *th pin of the C * port; for example: The C2P2 represents pin 2 of the C2 port;
X * represents the * th input point in the 16-bit data; for example: The X8 represents the eighth input point.

Bit	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
Input	XF C8P2	XE C8P4	XD C7P2	XC C7P4	XB C6P2	XA C6P4	X9 C5P2	X8 C5P4	X7 C4P2	X6 C4P4	X5 C3P2	X4 C3P4	X3 C2P2	X2 C2P4	X1 C1P2	X0 C1P4