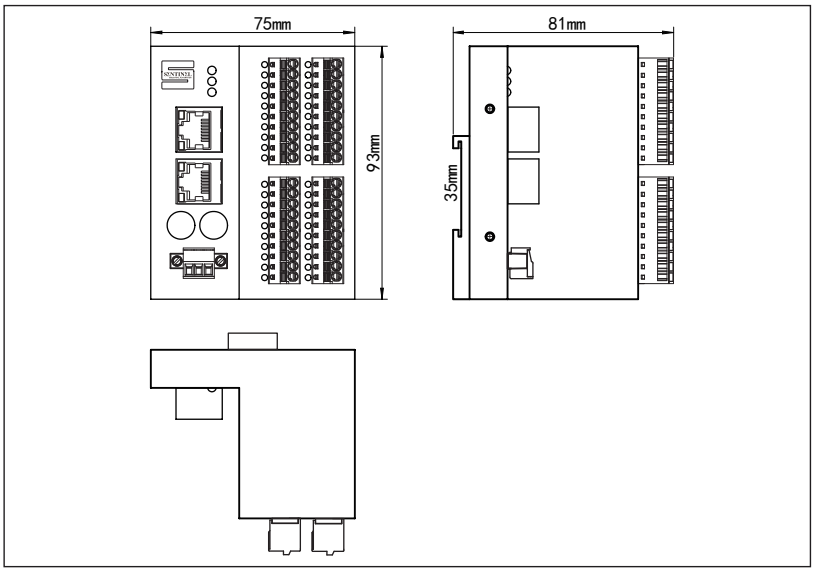
Compact IP20 CC-Link IE Field Basic protocol I/O Station

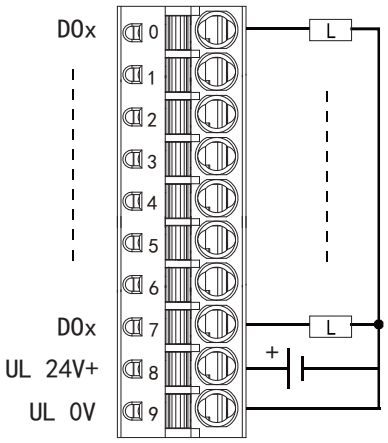
32 Digital outputs CMBC-OM32-0001



- CC-Link IE Field Basic remote I/O module
- Integrated Ethernet Switch
- Support 100Base-TX
- 2 RJ45 ports for the Ethernet connection
- 32 Digital outputs
- DIN guide rail installation
- Metal housing , Protection class IP20

Supply voltage	24VDC ± 10%
Operating current	< 200mA
Module and load power supply	UB and UL are internally isolated and need to be powered separately
Load power group	Divided into 4 groups, which need separate power supply
Output	
Number of channels	32
Output type	The common terminal is 0V
Output current	0.2A
Output protection	Overload protection, overheating protection
Output protection reaction time	approximately 20ms
switching frequency	100HZ
Output voltage drop	0.6V
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
Number of occupied stations	one station（64bit）
Default IPv4 address	192.168.3.*（* Represents the hexadecimal number corresponding to the dial switch）
The IP address setting function	Support for IPAddressSet， port number:61451 （Only network segments can be changed）
Default subnet mask	255.255.255.0
Communication data format	binary system
Operating temperature	0-55℃

Output terminal

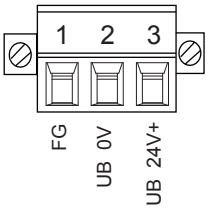


Note： UL is the Load power supply

Communication

RJ45 pin assignment	RJ45 plug
1. YE 2. OG 3. WH 4. N/C 5. N/C 6. BU 7. N/C 8. N/C	

Power Supply



Note： UB is the module power supply

module LEDS Zone: Ⅰ

POWER : Green LED light
ON : The module power supply (UB) is normal.
RUN : Green LED light
ON : Communication is normal
ERROR : communication is not established
IN/OUT : This port has two LEDS
Yellow LED light:
ON : Physical connections were established
Flash : Data exchange
Green LED light:
ON : Communication rate is 100M
OFF : Communication rate is not 100M
DIx : Yellow LED light
ON : Input active
DOx : Yellow LED light
ON : Input active
NC : not use
COM : not use

Module power terminal Zone: Ⅱ

UB+: Module power supply 24VDC positive;
0V : Module power supply 24VDC negative
FG : ground connection

Ethernet interface Zone: Ⅲ

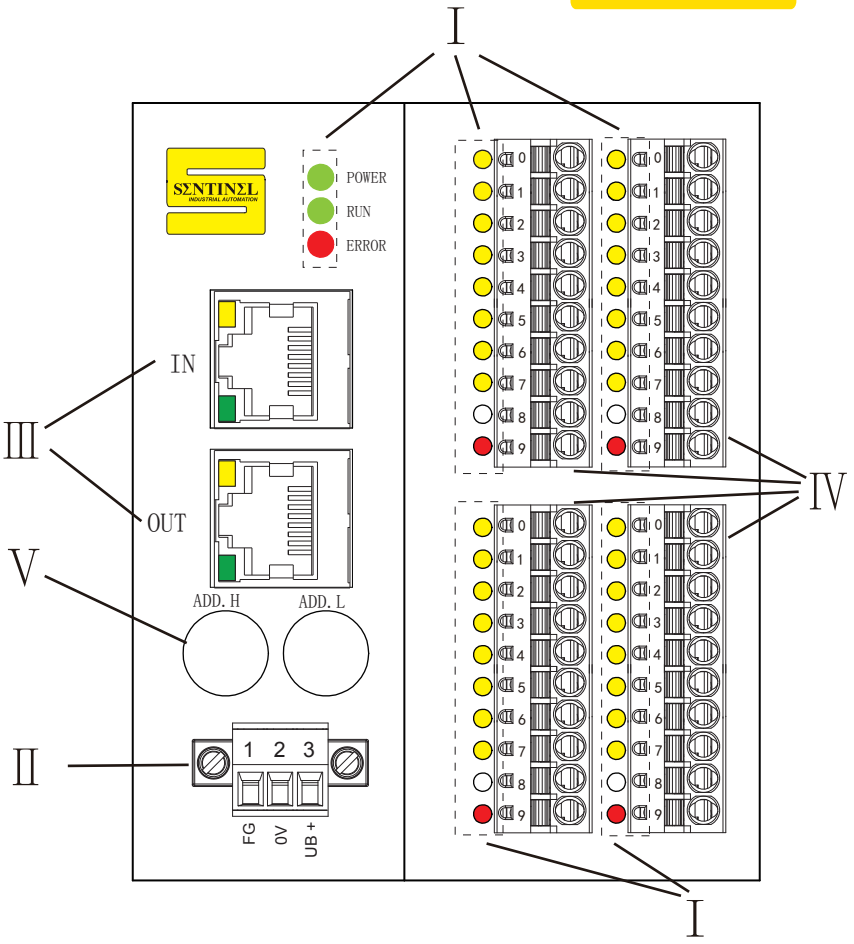
IN : CC-Link IEF Basic BUS In
OUT : CC-Link IEF Basic BUS OUT

IO signal terminal Zone: Ⅳ

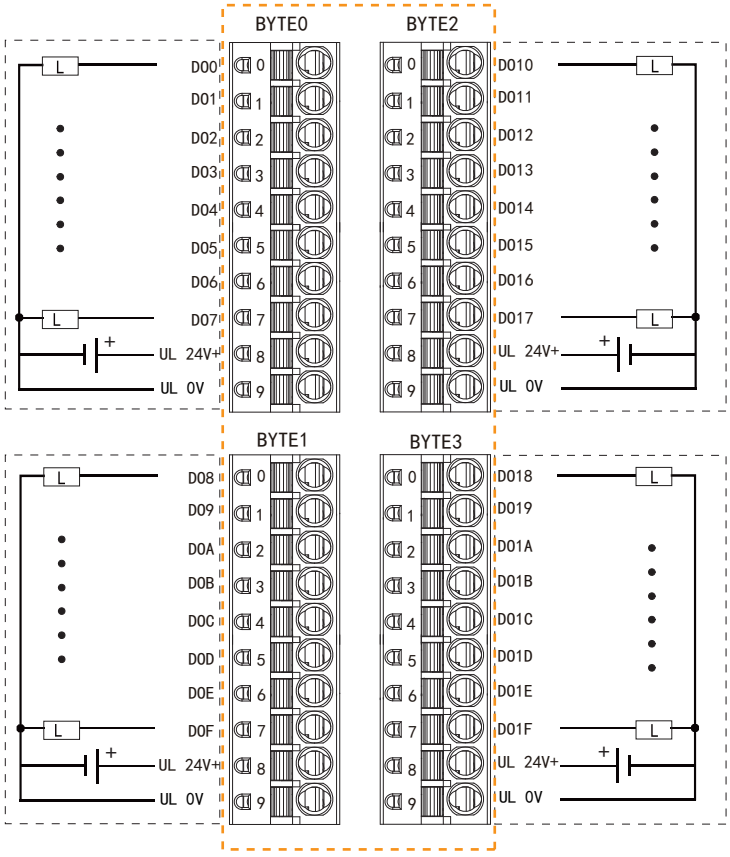
DIx :This point is input.
DOx :This point is output.
NC :not use
COM : If COM is negative, connect the PNP sensor
If COM is positive , connect the NPN sensor

Address dialing Zone: Ⅴ

Default IP address is 192.168.3.* , * Represents the hexadecimal number corresponding to the dial switch;
ADDR_H is the upper digit of the hexadecimal number of the address
ADDR_L is the lower digit of the hexadecimal number of the address
For example:
ADDR_H is "A", ADDR_L is" 9", so ADDR is " 0xA9 " ,
IP address is: 192.168.3.169;
ADDR_H is "2", ADDR_L is" 8", so ADDR is " 0x28 " ,
IP address is: 192.168.3.40;
Remarks: After the address is changed, it will not take effect until it is powered on again



Point distribution and external wiring diagram



Output point mapping table

	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
BYTE0	DO7	DO6	DO5	DO4	DO3	DO2	DO1	DO0
BYTE1	DOF	DOE	DOD	DOC	DOB	DOA	DO9	DO8
BYTE2	DO17	DO16	DO15	DO14	DO13	DO12	DO11	DO10
BYTE3	DO1F	DO1E	DO1D	DO1C	DO1B	DO1A	DO19	DO18