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DECOWELL®

FS Series Integrated I/O

Highly adaptable Compact design

Decowell Reliable partner for intelligent manufacturing

Email: contact@welllinkio.com

Decowell Automation

Decowell • Reliable partner for intelligent manufacturing

2016
Company establishment

100+
Intellectual property

1000+
Customers

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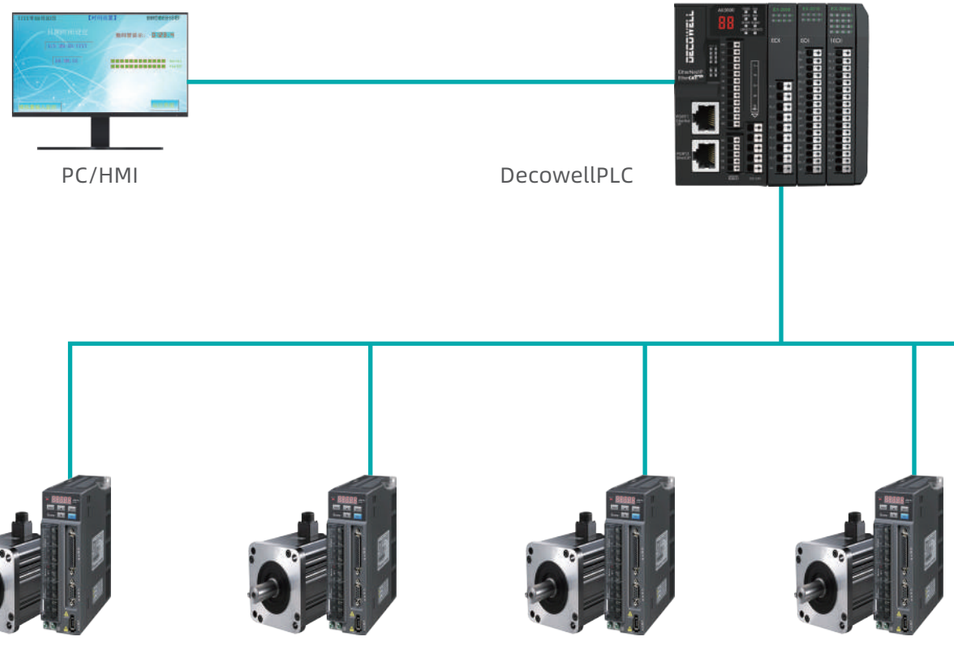
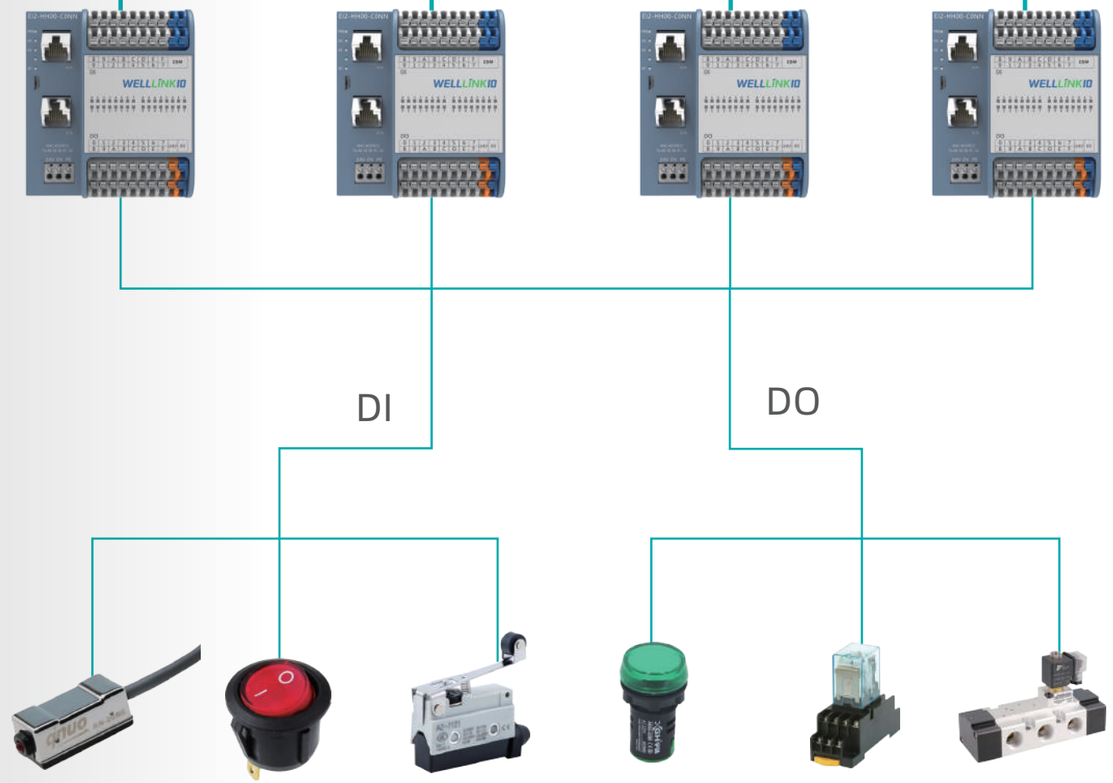


FS Series Integrated I/O

FS Series Integrated I/O is an early Bus product from Decowell Automation. The communication interface, power module and I/O module are designed as a single module with high integration. With small size, compact structure, simple wiring, stable performance and other special points, it can support a variety of communication bus, such as PROFINET, EtherCAT, DeviceNet, CC-Link, etc. With a variety of signal types and input and output points to choose from, the single module can support up to 32 signal points. The Ethernet communication port is designed at a 45 degree angle to reduce the stress caused by long-term bending of network cables and improve system reliability. All terminals use screw free wiring terminal, which greatly reduces the workload of on-site installation wiring and saves installation time.

FS Series Topology

EtherCAT® Technology Group



More stable and reliable design

FS Series Integrated I/O

Abundant Protocol

Stable Performance

Small But Powerful

Easy To Install

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Product naming rule

P N - 8 8 0 0 - C 0 N N

- EC:EtherCAT Bus
- PN:PROFINET Bus
- DN: DeviceNet Bus
- CL:CC-Link Bus
- PN2:PROFINET Bus
- EI:EtherNet/IP Bus
- EI2： EtherNet/IP Bus
- CA： CANopen Bus

Digital Input Point
- 8 : 8-channels digital output
- H : 16-channels digital output
- S : 32-channels digital output

Digital Output Point:
- 8 : 8-channels digital output
- H : 16-channels digital output
- S : 32-channels digital output

Types of Digital Input:
- Effective low electrical level output(NPN)
- 1: Effective high electrical level (PNP)
- C: Compatible (NPN&PNP)

Types of Digital output:
- Low electrical level output(NPN)
- 1: High electrical level output (PNP)
- 2: Relay

Reserve

Reserve

More solutions are available here
www.welllinkio.com

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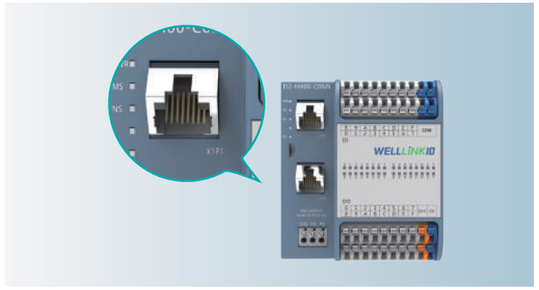
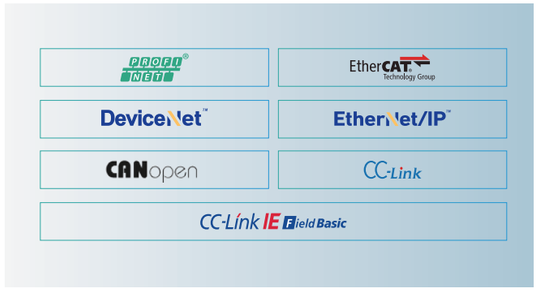
Product characteristics

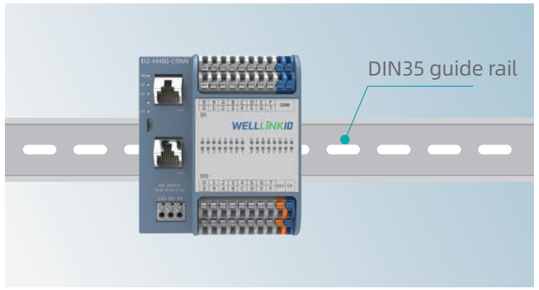
Straight plug terminals, quick installation



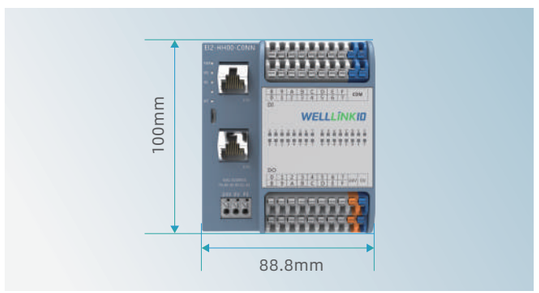
The communication interface port is designed to be inclined to 45 degrees



Support multiple communication protocols



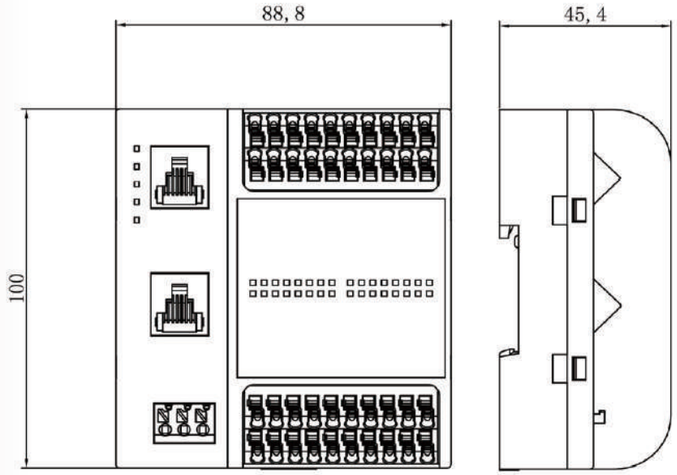
DIN35 guide rail installation



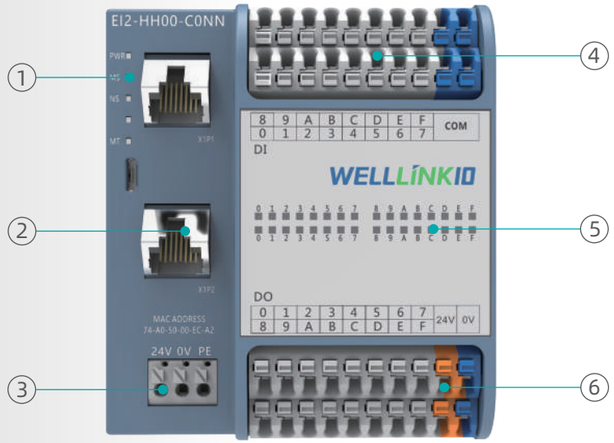
The product has small volume and compact structure

Stable communication and no packet loss

Product size



Interface port description



① Status light

② Bus communication interface

③ System power input port

④ I/O port

⑤ I/O Signal light

⑥ I/O port

Product model	PN-8800-C0NN	PN-8800-C1NN	PN-8800-C2NN	PN-HH00-C0NN
Product description	DI×8 DO×8	DI×8 DO×8	DI×8 DO×8	DI×16 DO×16

Communication Bus

Bus Protocol	PROFINET	PROFINET	PROFINET	PROFINET
Interface Port Type	Industry EtherNET	Industry EtherNET	Industry EtherNET	Industry EtherNET
Interface Port Mode	2*RJ45	2*RJ45	2*RJ45	2*RJ45
Communication Rate	100Mb/s	100Mb/s	100Mb/s	100Mb/s
Communication Distance	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)
Electrical Isolation	Yes	Yes	Yes	Yes

I/O Interface Port Parameter

Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible
NPN Signal Electrical Level	0 ～5V	0 ~ 5V	0 ~ 5V	0 ~ 5V
PNP Signal Electrical Level	15 ~ 30V	15 ~ 30V	15 ~ 30V	15 ~ 30V
Single-channel Current Consumption	5mA	5mA	5mA	5mA
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Output Signal				
Signal Type	Transistor (NPN)	Transistor (PNP)	Relay	Transistor (NPN)
Rated Electrical	0V (Max.1.5V)	24V(18 ~ 36V)	250VAC/30VDC	0V(max:1.5V)
Single-channel Rated Current	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)	5A	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V

Power Supply Parameter

Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	38mA	38mA	38mA

Indicator, Alarm, Definition

Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light

General Parameter

Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃
Order Number	00-01-01	00-01-02	00-01-03	00-01-04

Product model	PN-HH00-C1NN	PN-S000-CNNN	PN-0S00-N0NN	PN-0S00-N1NN
Product description	DI×16 DO×16	DI×32	DO×32	DO×32

Communication Bus

Bus Protocol	PROFINET	PROFINET	PROFINET	PROFINET
Interface Port Type	Industry EtherNET	Industry EtherNET	Industry EtherNET	Industry EtherNET
Interface Port Mode	2*RJ45	2*RJ45	2*RJ45	2*RJ45
Communication Rate	100Mb/s	100Mb/s	100Mb/s	100Mb/s
Communication Distance	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)
Electrical Isolation	Yes	Yes	Yes	Yes

I/O Interface Port Parameter

Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	–	–
NPN Signal Electrical Level	0 ~ 5V	0 ~ 5V	–	–
PNP Signal Electrical Level	15 ~ 30V	15 ~ 30V	–	–
Single-channel Current Consumption	5mA	5mA	–	–
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	–	–
Electrical Isolation	AC 500V	AC 500V	–	–
Output Signal				
Signal Type	Transistor (PNP)	–	Transistor (NPN)	Transistor (PNP)
Rated Electrical	24V (18-36V)	–	0V (Max.1.5V)	24V (18-36V)
Single-channel Rated Current	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)	–	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	–	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	–	AC 500V	AC 500V

Power Supply Parameter

Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	40mA	40mA	40mA

Indicator, Alarm, Definition

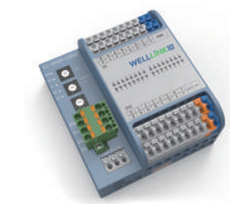
Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light

General Parameter

Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃
Order Number	00-01-05	00-01-08	00-01-09	00-01-10

Product model	EC-8800-C0NN	EC-8800-C1NN	EC-8800-C2NN	EC-HH00-C0NN
Product description	DI×8 DO×8	DI×8 DO×8	DI×8 DO×8	DI×16 DO×16
Communication Bus				
Bus Protocol	EtherCAT	EtherCAT	EtherCAT	EtherCAT
Interface Port Type	Industry EtherNET	Industry EtherNET	Industry EtherNET	Industry EtherNET
Interface Port Mode	2*RJ45	2*RJ45	2*RJ45	2*RJ45
Communication Rate	100Mb/s	100Mb/s	100Mb/s	100Mb/s
Communication Distance	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible
NPN Signal Electrical Level	0 ~5V	0 ~ 5V	0 ~ 5V	0 ~ 5V
PNP Signal Electrical Level	15 ~ 30V	15 ~ 30V	15 ~ 30V	15 ~ 30V
Single-channel Current Consumption	5mA	5mA	5mA	5mA
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Output Signal				
Signal Type	Transistor (NPN)	Transistor (PNP)	Relay	Transistor (NPN)
Rated Electrical	0V (Max.1.5V)	24V(18 ~ 36V)	250VAC/30VDC	0V(max:1.5V)
Single-channel Rated Current	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	5A	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	38mA	38mA	40mA
Indicator, Alarm, Definition				
Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃
Order Number	00-02-01	00-02-02	00-02-03	00-02-04

Product model	EC-HH00-C1NN	EC-S000-CNNN	EC-0S00-N0NN	EC-0S00-N1NN
Product description	DI×16 DO×16	DI×32	DO×32	DO×32
Communication Bus				
Bus Protocol	EtherCAT	EtherCAT	EtherCAT	EtherCAT
Interface Port Type	Industry EtherNET	Industry EtherNET	Industry EtherNET	Industry EtherNET
Interface Port Mode	2*RJ45	2*RJ45	2*RJ45	2*RJ45
Communication Rate	100Mb/s	100Mb/s	100Mb/s	100Mb/s
Communication Distance	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPNCompatible	PNP&NPNCompatible	—	—
NPN Signal Electrical Level	0 ~ 5V	0 ~ 5V	—	—
PNP Signal Electrical Level	15 ~ 30V	15 ~30V	—	—
Single-channel Current Consumption	5mA	5mA	—	—
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	—	—
Electrical Isolation	AC 500V	AC 500V	—	—
Output Signal				
Signal Type	Transistor (PNP)	—	Transistor (NPN)	Transistor (PNP)
Rated Electrical	24V (18-36V)	—	0V (Max.1.5V)	24V (18-36V)
Single-channel Rated Current	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	—	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	—	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	—	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	40mA	40mA	40mA
Indicator, Alarm, Definition				
Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃
Order Number	00-02-05	00-02-08	00-02-09	00-02-10

Product model	CL-8800-C0NN	CL-8800-C1NN	CL-8800-C2NN	CL-HH00-C0NN
				
Product description	DI×8 DO×8	DI×8 DO×8	DI×8 DO×8	DI×16 DO×16

Communication Bus

Bus Protocol	CC-Link	CC-Link	CC-Link	CC-Link
Interface Port Type	Wiring Terminal	Wiring Terminal	Wiring Terminal	Wiring Terminal
Interface Port Mode	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair
Communication Rate	156Kb/s ~ 10Mb/s	156Kb/s ~ 10Mb/s	156Kb/s ~ 10Mb/s	156Kb/s ~ 10Mb/s
Communication Distance	1200m(Max.)	1200m(Max.)	1200m(Max.)	1200m(Max.)
Electrical Isolation	Yes	Yes	Yes	Yes

I/O Interface Port Parameter

Input Signal				
Signal Type	PNP&NPNCompatible	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible
NPN Signal Electrical Level	0 ~5V	0 ~ 5V	0 ~ 5V	0 ~ 5V
PNP Signal Electrical Level	15 ~ 30V	15 ~ 30V	15 ~ 30V	15 ~ 30V
Single-channel Current Consumption	5mA	5mA	5mA	5mA
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Output Signal				
Signal Type	Transistor (NPN)	Transistor (PNP)	Relay	Transistor (NPN)
Rated Electrical	0V (Max.1.5V)	24V(18 ~ 36V)	250VAC/30VDC	0V(max:1.5V)
Single-channel Rated Current	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	5A	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V

Power Supply Parameter

Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	38mA	38mA	40mA

Indicator, Alarm, Definition

Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light

General Parameter

Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃
Order Number	00-03-01	00-03-02	00-03-03	00-03-04

Product model	CL-HH00-C1NN	CL-S000-CNNN	CL-0S00-N0NN	CL-0S00-N1NN
Product description	DI×16 DO×16	DI×32	DO×32	DO×32

Communication Bus

Bus Protocol	CC-Link	CC-Link	CC-Link	CC-Link
Interface Port Type	Wiring Terminal	Wiring Terminal	Wiring Terminal	Wiring Terminal
Interface Port Mode	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair
Communication Rate	156Kb/s ~ 10Mb/s	156Kb/s ~ 10Mb/s	156Kb/s ~ 10Mb/s	156Kb/s ~ 10Mb/s
Communication Distance	1200m(Max.)	1200m(Max.)	1200m(Max.)	1200m(Max.)
Electrical Isolation	Yes	Yes	Yes	Yes

I/O Interface Port Parameter

Input Signal				
Signal Type	PNP&NPNCompatible	PNP&NPNCompatible	—	—
NPN Signal Electrical Level	0 ~ 5V	0 ~ 5V	—	—
PNP Signal Electrical Level	15 ~ 30V	15 ~30V	—	—
Single-channel Current Consumption	5mA	5mA	—	—
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	—	—
Electrical Isolation	AC 500V	AC 500V	—	—
Output Signal				
Signal Type	Transistor (PNP)	—	Transistor (NPN)	Transistor (PNP)
Rated Electrical	24V (18-36V)	—	0V (Max.1.5V)	24V (18-36V)
Single-channel Rated Current	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	—	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	—	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	—	AC 500V	AC 500V

Power Supply Parameter

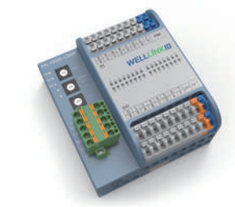
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	40mA	40mA	40mA

Indicator, Alarm, Definition

Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light

General Parameter

Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃
Order Number	00-03-05	00-03-07	00-03-08	00-03-09

Product model	DN-8800-C0NN	DN-8800-C1NN	DN-8800-C2NN	DN-HH00-C0NN
				
Product description	DI×8 DO×8	DI×8 DO×8	DI×8 DO×8	DI×16 DO×16
Communication Bus				
Bus Protocol	DeviceNet	DeviceNet	DeviceNet	DeviceNet
Interface Port Type	Wiring Terminal	Wiring Terminal	Wiring Terminal	Wiring Terminal
Interface Port Mode	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair
Communication Rate	125Kb/s,250Kb/s,500Kb/s	125Kb/s,250Kb/s,500Kb/s	125Kb/s,250Kb/s,500Kb/s	125Kb/s,250Kb/s,500Kb/s
Communication Distance	500m(Max.)	500m(Max.)	500m(Max.)	500m(Max.)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible
NPN Signal Electrical Level	0 ~5V	0 ~ 5V	0 ~ 5V	0 ~ 5V
PNP Signal Electrical Level	15 ~ 30V	15 ~ 30V	15 ~ 30V	15 ~ 30V
Single-channel Current Consumption	5mA	5mA	5mA	5mA
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Output Signal				
Signal Type	Transistor (NPN)	Transistor (PNP)	Relay	Transistor (NPN)
Rated Electrical	0V (Max.1.5V)	24V(18 ~ 36V)	250VAC/30VDC	0V(max:1.5V)
Single-channel Rated Current	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	5A	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	38mA	38mA	40mA
Indicator, Alarm, Definition				
Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃
Order Number	00-04-01	00-04-02	00-04-03	00-04-04

Product model	DN-HH00-C1NN	DN-S000-CNNN	DN-0S00-N0NN	DN-0S00-N1NN
Product description	DI×16 DO×16	DI×32	DO×32	DO×32
Communication Bus				
Bus Protocol	DeviceNet	DeviceNet	DeviceNet	DeviceNet
Interface Port Type	Wiring Terminal	Wiring Terminal	Wiring Terminal	Wiring Terminal
Interface Port Mode	Twisted Pair	Twisted Pair	Twisted Pair	Twisted Pair
Communication Rate	125Kb/s,250Kb/s,500Kb/s	125Kb/s,250Kb/s,500Kb/s	125Kb/s,250Kb/s,500Kb/s	125Kb/s,250Kb/s,500Kb/s
Communication Distance	500m(Max.)	500m(Max.)	500m(Max.)	500m(Max.)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	—	—
NPN Signal Electrical Level	0 ~ 5V	0 ~ 5V	—	—
PNP Signal Electrical Level	15 ~ 30V	15 ~30V	—	—
Single-channel Current Consumption	5mA	5mA	—	—
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	—	—
Electrical Isolation	AC 500V	AC 500V	—	—
Output Signal				
Signal Type	Transistor (PNP)	—	Transistor (NPN)	Transistor (PNP)
Rated Electrical	24V (18-36V)	—	0V (Max.1.5V)	24V (18-36V)
Single-channel Rated Current	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	—	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A (Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	—	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	—	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	40mA	40mA	40mA
Indicator, Alarm, Definition				
Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃
Order Number	00-04-05	00-04-08	00-04-09	00-04-10

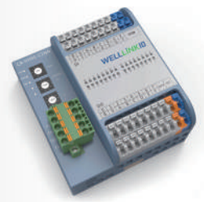
Product model	EI2-8800-C0NN	EI2-8800-C1NN	EI2-8800-C2NN	EI2-HH00-C0NN
Product description	DI×8 DO×8	DI×8 DO×8	DI×8 DO×8	DI×16 DO×16
Communication Bus				
Bus Protocol	Ethernet/IP	Ethernet/IP	Ethernet/IP	Ethernet/IP
Interface Port Type	Industry Ethernet	Industry Ethernet	Industry Ethernet	Industry Ethernet
Interface Port Mode	2*RJ45	2*RJ45	2*RJ45	2*RJ45
Communication Rate	100Mb/s	100Mb/s	100Mb/s	100Mb/s
Communication Distance	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible
NPN Signal Electrical Level	0 ~5V	0 ~ 5V	0 ~ 5V	0 ~ 5V
PNP Signal Electrical Level	15 ~ 30V	15 ~ 30V	15 ~ 30V	15 ~ 30V
Single-channel Current Consumption	5mA	5mA	5mA	5mA
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Output Signal				
Signal Type	Transistor (NPN)	Transistor (PNP)	Relay	Transistor (NPN)
Rated Electrical	0V (Max.1.5V)	24V(18 ~ 36V)	250VAC/30VDC	0V(max:1.5V)
Single-channel Rated Current	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)	5A	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	80.2mA	80.2mA	80.2mA	89.3mA
Indicator, Alarm, Definition				
Indicator	Red and Green MS, NS, LED Light	Red and Green MS, NS, LED Light	Red and Green MS, NS, LED Light	Red and Green MS, NS, LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃
Order Number	00-05-11	00-05-12	00-05-13	00-05-14

Product model	EI2-HH00-C1NN	EI2-S000-CNNN	EI2-0S00-N0NN	EI2-0S00-N1NN
Product description	DI×16 DO×16	DI×32	DO×32	DO×32
Communication Bus				
Bus Protocol	Ethernet/IP	Ethernet/IP	Ethernet/IP	Ethernet/IP
Interface Port Type	Industry Ethernet	Industry Ethernet	Industry Ethernet	Industry Ethernet
Interface Port Mode	2*RJ45	2*RJ45	2*RJ45	2*RJ45
Communication Rate	100Mb/s	100Mb/s	100Mb/s	100Mb/s
Communication Distance	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	—	—
NPN Signal Electrical Level	0 ~ 5V	0 ~ 5V	—	—
PNP Signal Electrical Level	15 ~ 30V	15 ~30V	—	—
Single-channel Current Consumption	5mA	5mA	—	—
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	—	—
Electrical Isolation	AC 500V	AC 500V	—	—
Output Signal				
Signal Type	Transistor (PNP)	—	Transistor (NPN)	Transistor (PNP)
Rated Electrical	24V (18-36V)	—	0V (Max.1.5V)	24V (18-36V)
Single-channel Rated Current	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)	—	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)	Max.0.5A （Total Output Current of 8 Channels at the same time : 2A)
Port Protection	Over-voltage and Over-current Protection	—	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	—	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	89.3mA	74.6mA	104.2mA	104.2mA
Indicator, Alarm, Definition				
Indicator	Red and Green MS, NS, LED Light	Red and Green MS, NS, LED Light	Red and Green MS, NS, LED Light	Red and Green MS, NS, LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃	Working Temperature : 0 ~ 55℃ Storing Temperature : -25 ~ 85℃
Order Number	00-05-15	00-05-16	00-05-17	00-05-18

Product model	CI-8800-C0NN	CI-8800-C1NN	CI-8800-C2NN	CI-HH00-C0NN
Product description	DI×8 DO×8	DI×8 DO×8	DI×8 DO×8	DI×16 DO×16
Communication Bus				
Bus Protocol	CC-Link IE Field Basic	CC-Link IE Field Basic	CC-Link IE Field Basic	CC-Link IE Field Basic
Interface Port Type	Industry Ethernet	Industry Ethernet	Industry Ethernet	Industry Ethernet
Interface Port Mode	2*RJ45	2*RJ45	2*RJ45	2*RJ45
Communication Rate	100Mb/s	100Mb/s	100Mb/s	100Mb/s
Communication Distance	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible
NPN Signal Electrical Level	0 ~5V	0 ~ 5V	0 ~ 5V	0 ~ 5V
PNP Signal Electrical Level	15 ~ 30V	15 ~ 30V	15 ~ 30V	15 ~ 30V
Single-channel Current Consumption	5mA	5mA	5mA	5mA
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Output Signal				
Signal Type	Transistor (NPN)	Transistor (PNP)	Relay	Transistor (NPN)
Rated Electrical	0V (Max.1.5V)	24V(18 ~ 36V)	250VAC/30VDC	0V(max:1.5V)
Single-channel Rated Current	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)	5A	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)
Port Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	38mA	38mA	40mA
Indicator, Alarm, Definition				
Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃
Order Number	00-06-01	00-06-02	00-06-03	00-06-04

Product model	CI-HH00-C1NN	CI-S000-CNNN	CI-0S00-N0NN	CI-0S00-N1NN
Product description	DI×16 DO×16	DI×32	DO×32	DO×32
Communication Bus				
Bus Protocol	CC-Link IE Field Basic	CC-Link IE Field Basic	CC-Link IE Field Basic	CC-Link IE Field Basic
Interface Port Type	Industry Ethernet	Industry Ethernet	Industry Ethernet	Industry Ethernet
Interface Port Mode	2*RJ45	2*RJ45	2*RJ45	2*RJ45
Communication Rate	100Mb/s	100Mb/s	100Mb/s	100Mb/s
Communication Distance	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)	100m(Interstation Distance)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	—	—
NPN Signal Electrical Level	0 ~ 5V	0 ~ 5V	—	—
PNP Signal Electrical Level	15 ~ 30V	15 ~30V	—	—
Single-channel Current Consumption	5mA	5mA	—	—
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	—	—
Electrical Isolation	AC 500V	AC 500V	—	—
Output Signal				
Signal Type	Transistor (PNP)	—	Transistor (NPN)	Transistor (PNP)
Rated Electrical	24V (18-36V)	—	0V (Max.1.5V)	24V (18-36V)
Single-channel Rated Current	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)	—	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)
Port Protection	Over-voltage and Over-current Protection	—	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	—	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	40mA	40mA	40mA
Indicator, Alarm, Definition				
Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃
Order Number	00-06-05	00-06-06	00-06-07	00-06-08

产品型号model	CA-8800-C0NN	CA-8800-C1NN	CA-8800-C2NN	CA-HH00-C0NN
Product description	DI×8 DO×8	DI×8 DO×8	DI×8 DO×8	DI×16 DO×16
Communication Bus				
Bus Protocol	CANopen	CANopen	CANopen	CANopen
Interface Port Type	Wiring Terminal	Wiring Terminal	Wiring Terminal	Wiring Terminal
Interface Port Mode	Shielded twisted pair	Shielded twisted pair	Shielded twisted pair	Shielded twisted pair
Communication Rate	10~1000kb/s	10~1000kb/s	10~1000kb/s	10~1000kb/s
Communication Distance	5000m(Max.)	5000m(Max.)	5000m(Max.)	5000m(Max.)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible	PNP&NPN Compatible
NPN Signal Electrical Level	0 ~5V	0 ~ 5V	0 ~ 5V	0 ~ 5V
PNP Signal Electrical Level	15 ~ 30V	15 ~ 30V	15 ~ 30V	15 ~ 30V
Single-channel Current Consumption	5mA	5mA	5mA	5mA
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	Over-voltage Shock Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Output Signal				
Signal Type	Transistor (NPN)	Transistor (PNP)	Relay	Transistor (NPN)
Rated Electrical	0V (Max.1.5V)	24V(18 ~ 36V)	250VAC/30VDC	0V(max:1.5V)
Single-channel Rated Current	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)	5A	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)
Port Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	AC 500V	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	38mA	38mA	40mA
Indicator, Alarm, Definition				
Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃
Order Number	00-07-01	00-07-02	00-07-03	00-07-04

Product model	CA-HH00-C1NN	CA-S000-CNNN	CA-0S00-N0NN	CA-0S00-N1NN
				
Product description	DI×16 DO×16	DI×32	DO×32	DO×32
Communication Bus				
Bus Protocol	CANopen	CANopen	CANopen	CANopen
Interface Port Type	Wiring Terminal	Wiring Terminal	Wiring Terminal	Wiring Terminal
Interface Port Mode	Shielded twisted pair	Shielded twisted pair	Shielded twisted pair	Shielded twisted pair
Communication Rate	10~1000kb/s	10~1000kb/s	10~1000kb/s	10~1000kb/s
Communication Distance	5000m(Max.)	5000m(Max.)	5000m(Max.)	5000m(Max.)
Electrical Isolation	Yes	Yes	Yes	Yes
I/O Interface Port Parameter				
Input Signal				
Signal Type	PNP&NPN Compatible	PNP&NPN Compatible	—	—
NPN Signal Electrical Level	0 ~ 5V	0 ~ 5V	—	—
PNP Signal Electrical Level	15 ~ 30V	15 ~30V	—	—
Single-channel Current Consumption	5mA	5mA	—	—
Port Protection	Over-voltage Shock Protection	Over-voltage Shock Protection	—	—
Electrical Isolation	AC 500V	AC 500V	—	—
Output Signal				
Signal Type	Transistor (PNP)	—	Transistor (NPN)	Transistor (PNP)
Rated Electrical	24V (18-36V)	—	0V (Max.1.5V)	24V (18-36V)
Single-channel Rated Current	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)	—	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)	Max.0.5A（Total Output Current of 8 Channels at the same time :2A)
Port Protection	Over-voltage and Over-current Protection	—	Over-voltage and Over-current Protection	Over-voltage and Over-current Protection
Electrical Isolation	AC 500V	—	AC 500V	AC 500V
Power Supply Parameter				
Rated Input Voltage	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)	24VDC(18 ~ 36V)
Current Consumption	38mA	40mA	40mA	40mA
Indicator, Alarm, Definition				
Indicator	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light	Green RUN LED Light
Power Supply Indicator	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light	Green PWR LED Light
Misindication	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light	Red BF, SF LED Light
General Parameter				
Protection Grade	IP20	IP20	IP20	IP20
Temperature Range	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃	Working Temperature： 0 ~ 55℃ Storing Temperature： -25 ~ 85℃
Order Number	00-07-05	00-07-06	00-07-07	00-07-08

Email: contact@welllinkio.com

Product model quick reference table

Note: Bidirectional stands for NPN&PNP Compatible

PROFINET®

Product model	Product description	Order number
PN-8800-C0NN	8DI8DO(Input Bidirectional Output NPN)	00-01-01
PN-8800-C1NN	8DI8DO(Input Bidirectional Output PNP)	00-01-02
PN-8800-C2NN	8DI8DO(Input Bidirectional Relay Output)	00-01-03
PN-HH00-C0NN	16DI16DO(Input Bidirectional Output NPN)	00-01-04
PN-HH00-C1NN	16DI16DO(Input Bidirectional Output PNP)	00-01-05
PN-S000-CNNN	32DI(Input Bidirectional)	00-01-08
PN-0S00-N0NN	32DO(NPN)	00-01-09
PN-0S00-N1NN	32DO(PNP)	00-01-10

EtherCAT® Technology Group

Product model	Product description	Order number
EC-8800-C0NN	8DI8DO(Input Bidirectional Output NPN)	00-02-01
EC-8800-C1NN	8DI8DO(Input Bidirectional Output PNP)	00-02-02
EC-8800-C2NN	8DI8DO(Input Bidirectional Relay Output)	00-02-03
EC-HH00-C0NN	16DI16DO(Input Bidirectional Output NPN)	00-02-04
EC-HH00-C1NN	16DI16DO(Input Bidirectional Output PNP)	00-02-05
EC-S000-CNNN	32DI(Input Bidirectional)	00-02-08
EC-0S00-N0NN	32DO(NPN)	00-02-09
EC-0S00-N1NN	32DO(PNP)	00-02-10

CC-Link

Product model	Product description	Order number
CL-8800-C0NN	8DI8DO(Input Bidirectional Output NPN)	00-03-01
CL-8800-C1NN	8DI8DO(Input Bidirectional Output PNP)	00-03-02
CL-8800-C2NN	8DI8DO(Input Bidirectional Relay Output)	00-03-03
CL-HH00-C0NN	16DI16DO(Input Bidirectional Output NPN)	00-03-04
CL-HH00-C1NN	16DI16DO(Input Bidirectional Output PNP)	00-03-05
CL-S000-CNNN	32DI(Input Bidirectional)	00-03-07
CL-0S00-N0NN	32DO(NPN)	00-03-08
CL-0S00-N1NN	32DO(PNP)	00-03-09

DeviceNet™

Product model	Product description	Order number
DN-8800-C0NN	8DI8DO(Input Bidirectional Output NPN)	00-04-01
DN-8800-C1NN	8DI8DO(Input Bidirectional Output PNP)	00-04-02
DN-8800-C2NN	8DI8DO(Input Bidirectional Relay Output)	00-04-03
DN-HH00-C0NN	16DI16DO(Input Bidirectional Output NPN)	00-04-04
DN-HH00-C1NN	16DI16DO(Input Bidirectional Output PNP)	00-04-05
DN-S000-CNNN	32DI(Input Bidirectional)	00-04-08
DN-0S00-N0NN	32DO(NPN)	00-04-09
DN-0S00-N1NN	32DO(PNP)	00-04-10

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Product model quick reference table

Note: Bidirectional stands for NPN&PNP Compatible

EtherNet/IP™

Product model	Product description	Order number
EI2-8800-C0NN	8DI8DO(Input Bidirectional Output NPN)	00-05-11
EI2-8800-C1NN	8DI8DO(Input Bidirectional Output PNP)	00-05-12
EI2-8800-C2NN	8DI8DO(Input Bidirectional Relay Output)	00-05-13
EI2-HH00-C0NN	16DI16DO(Input Bidirectional Output NPN)	00-05-14
EI2-HH00-C1NN	16DI16DO(Input Bidirectional Output PNP)	00-05-15
EI2-S000-CNNN	32DI(Input Bidirectional)	00-05-16
EI2-0S00-N0NN	32DO(NPN)	00-05-17
EI2-0S00-N1NN	32DO(PNP)	00-05-18

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Product model	Product description	Order number
CI-8800-C0NN	8DI8DO(Input Bidirectional Output NPN)	00-06-01
CI-8800-C1NN	8DI8DO(Input Bidirectional Output PNP)	00-06-02
CI-8800-C2NN	8DI8DO(Input Bidirectional Relay Output)	00-06-03
CI-HH00-C0NN	16DI16DO(Input Bidirectional Output NPN)	00-06-04
CI-HH00-C1NN	16DI16DO(Input Bidirectional Output PNP)	00-06-05
CI-S000-CNNN	32DI(Input Bidirectional)	00-06-06
CI-0S00-NONN	32DO(NPN)	00-06-07
CI-0S00-N1NN	32DO(PNP)	00-06-08

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Product model	Product description	Order number
CA-8800-C0NN	8DI8DO(Input Bidirectional Output NPN)	00-07-01
CA-8800-C1NN	8DI8DO(Input Bidirectional Output PNP)	00-07-02
CA-8800-C2NN	8DI8DO(Input Bidirectional Relay Output)	00-07-03
CA-HH00-C0NN	16DI16DO(Input Bidirectional Output NPN)	00-07-04
CA-HH00-C1NN	16DI16DO(Input Bidirectional Output PNP)	00-07-05
CA-S000-CNNN	32DI(Input Bidirectional)	00-07-06
CA-0S00-N0NN	32DO(NPN)	00-07-07
CA-0S00-N1NN	32DO(PNP)	00-07-08