

For more info, please contact us. 



► Remote I/O moudule



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www.chikucontact.com

All images are reference only,any change without notification
previously.All details and data subject to our final confirmation.



Personnel: More than 600 employees, of which R&D engineers account for 15%

Service network: 6 direct marketing and service centers in Shanghai, Shenzhen, Dongguan, Suzhou, Beijing and Nanjing

Design and manufacture: Full-chain production of product design, mold design and manufacturing, stamping, turning, injection molding, assembly and testing, with independent intellectual property

Certificates and systems: National high-tech enterprises, provincial scientific research centers, CNAS accredited laboratories, ISO9001, etc. Three systems in one, UL, CE, CQC and other certifications

Quality Policy:

Rigorous and realistic, Excellent quality
Excellent service, Sustainable development

COMPANY PROFILE

CN20 SERIES--coupler	01
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Auxiliary functions module	10
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COMPANY VISION

We are committed to keeping China's electric connection technology in step with the world Create better return on investment and experience for global customers

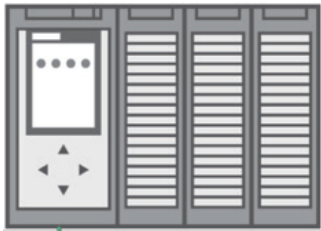


Absorption Innovation • Sincere Trust • Independent • Manufacturing

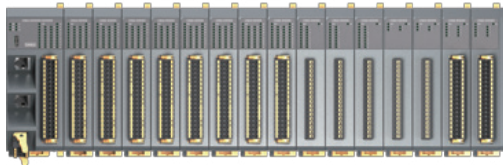
CN20 Series
Card type remote I/O module

CONSTRUCT MULTIPLE SYSTEM EASILY

Support main brand PLC in the market, such as
Siemens/Beckhoff/AB/OMRON/Keyence/INOV
ANCE ETC CODESYS platform

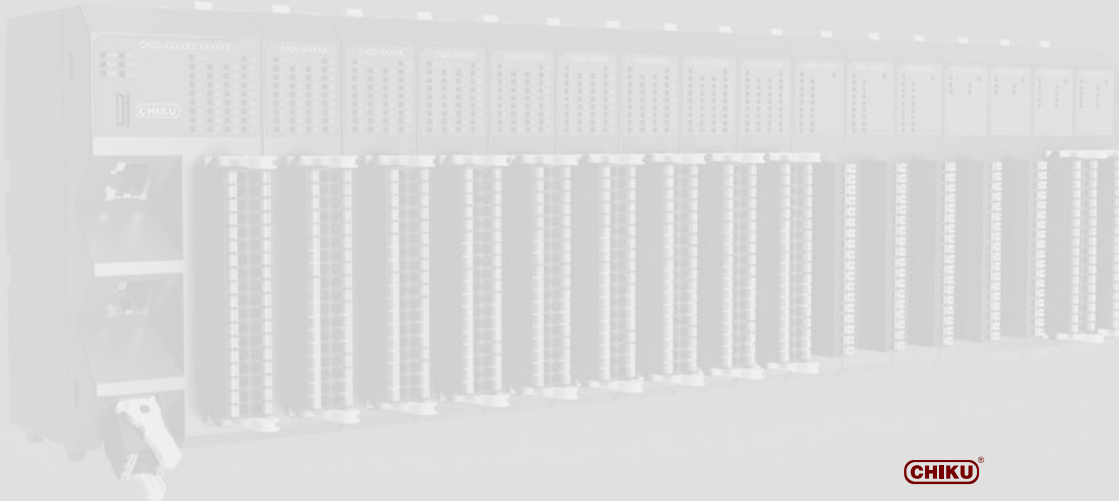


CN20 series products



Connect with sensors,Actuators, safety components, etc

CN20
Coupler series



CN20 Series
EtherCAT coupler



CN20-EC001
Coupler



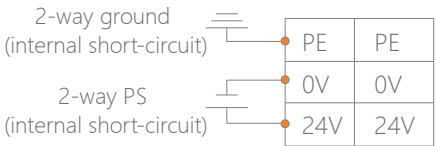
CN20-EC001-XXXXX
Coupler with
16 channel



CN20-EC001-XXXXX
Coupler with
32 channel



Project	Specification
Type	CN20–E0001
Level of Protection	IP20
Certification	CE
Reted Input Voltage	24V DC(20.4VDC–28.8VDC)
Rated voltage of bus output power supply	5V DC(4.75VDC–5.25VDC)
Rated current of bus output power supply	3.5A(typical value when V=5V)
Power Protection	Overcurrent Protection,Anti–reverse connection protection,Surge Absorption
Ambient working temperature	–10° C–55° C
Ambient working humidity	The relative humidity is less than 95%RH No condensation
Atmosphere	Ensure no corrosive gases
Ambient Storage temperature	–25°C–85°C The relative humidity is less than 90%RH No condensation
Elevation	≤2000(80kPa)
Pollution Degree	Level II
Immunity	power cord 2Kv(IEC 61000–4–4)
Overvoltage category	II
EMC Anti–interference Level	Zone B,IEC61131–2
Vibration resistance	EC 60068–2–6
Impact resistance	EC 60068–2–27
Expansion capability	Supports 32 modules, Note: Combined with ""Coupler"" comes with ""Rated current of bus output power supply"" with the ""Expansion module"" situation, add ""auxiliary Power Module ""Model: CN20–PWR01""



Notice: wiring diagram of I/O module on coupler, pls take ref. to the wiring diagram of extened module

CN20 Series
PROFINET coupler



CN20-PN001
Coupler

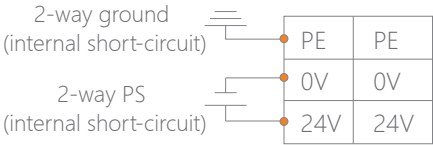


CN20-PN001-XXXXX
Coupler with
16 channel



CN20-PN001-XXXXX
Coupler with
32 channel

Project	Specification
Type	CN20–E0001
IP grade	IP20
Certification	CE
Reted input voltage	24V DC(20.4VDC–28.8VDC)
Rated voltage of bus output power supply	5V DC(4.75VDC–5.25VDC)
Rated current of bus output power supply	3.5A(typical value when V=5V)
Power protection	Overcurrent Protection,Anti–reverse connection protection,Surge Absorption
Ambient working temperature	–10° C–55° C
Ambient working humidity	The relative humidity is less than 95%RH No condensation
Air	Ensure no corrosive gases
Storage temperature	The relative humidity is less than 90%RH No condensation
Elevation	≤2000 (80 kPa)
Pollution Degree	level II
Immunity	power cord(IEC 61000–4–4)
Overvoltage category	II
EMC Anti–interference Level	Zone B,IEC61131–2
Vibration resistance	EC 60068–2–6
Impact resistance	EC 60068–2–27
I&M data	I&M0 到I&M3
PROFINET version	V2.3
PROFINET Interface QTY	2个
PROFINET Switch function	Support networking function
Open IE support	Support TCP/IP, SNMP, LLDP
Alarm/diagnose/status information	Support, Support lock error codes to be uploaded to the PLC
Physical layer	100BASE–TX
Communication rate	10 Mbit/s (standard EtherNet) 100 Mbit/s (PROFINET)
Statup Priority	support
Port disable	support
Expansion capability	Supports 32 modules, Note: Combined with ""Coupler"" comes with ""Rated current of bus output power supply"" with the ""Expansion module"" situation, add ""auxiliary Power Module ""Model: CN20–PWR01""



Notice: wiring diagram of I/O module on coupler, pls take ref. to the wiring diagram of extened module

CN20 Series
EtherCAT coupler



CN20-EIP001
Coupler



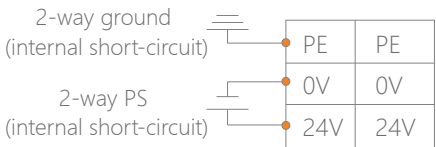
CN20-EIP001-XXXXX
Coupler with
16 channel



CN20-EIP001-XXXXX
Coupler with
32 channel



Project	Specification
Type	CN20–E0001
IP grade	IP20
Certification	CE
Reted Input Voltage	24V DC(20.4VDC–28.8VDC)
Rated voltage of bus output power supply	5V DC(4.75VDC–5.25VDC)
Rated current of bus output power supply	3.5A(typical value when V=5V)
Power Protection	Overcurrent Protection,Anti–reverse connection protection,Surge Absorption
Ambient working temperature	–10° C–55° C
Ambient working humidity	The relative humidity is less than 95%RH No condensation
Air	Ensure no corrosive gases
Ambient Storage temperature	–25℃–85℃(The relative humidity is less than) 90%RH No condensation
Elevation	≤2000m (80 kPa)
Pollution Degree	level II
Immunity	Power cord(IEC 61000–4–4)
Overvoltage category	II
EMC Anti–interference Level	Zone B,IEC61131–1
Vibration resistance	EC 60068–2–6
Impact resistance	EC 60068–2–27
EtherNet/IP Interface QTY	2
EtherNet/IP Switch function	Support networking function
Open IE support	Support TCP/IP,SNMP,LLDP
Communication rate	100 Mbit/s (PROFINET)
Expansion capability	Supports 32 modules, Note: Combined with ""Coupler"" comes with ""Rated current of bus output power supply"" with the ""Expansion module"" situation, add ""auxiliary Power Module "Model: CN20–PWR01"

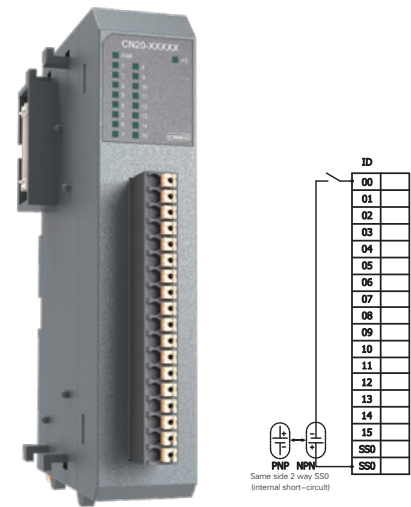


Notice: wiring diagram of I/O module on coupler, pls take ref. to the wiring diagram of extened module

CN20
Extended module

CN20 Extended module
DI module

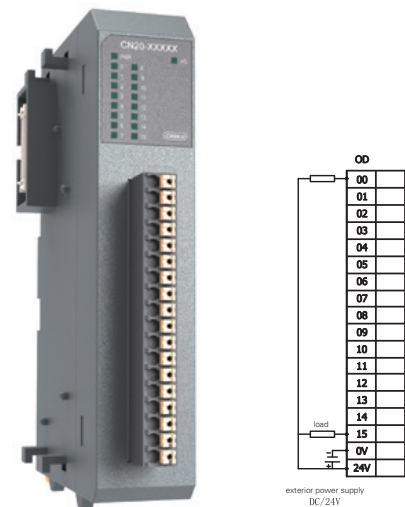
CN20-ID16



Project	Specification
Type	CN20-ID16
Product name	16-channel transistor input module
IP grade	IP20
Certification	CE
Ambient working temperature	-10℃-55℃
Input/output channels	16 channels
Output/Input type	NPN/PNP shared
Reted input voltage	DC24V
Rated current of bus input	40mA

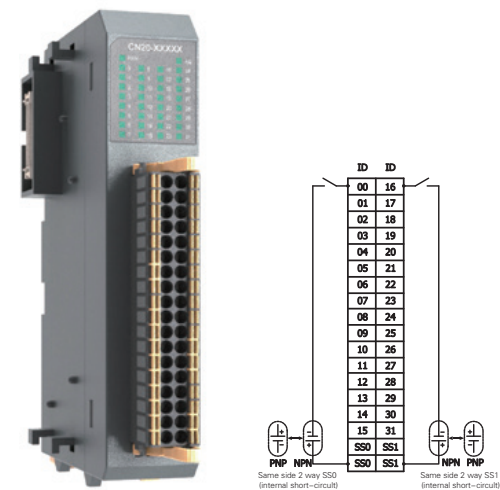
CN20 Extended module
DO module

CN20-OD16N



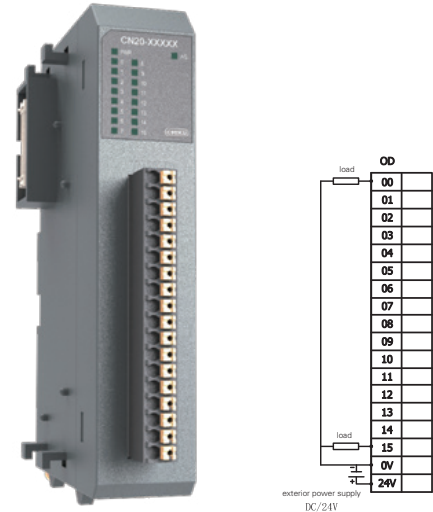
Project	Specification
Type	CN20-OD16N
Product name	16 channel transistor output module
IP grade	IP20
Certification	CE
Ambient working temperature	-10℃-55℃
Input/output channels	16 channels
Output/Input type	NPN
Reted input voltage	DC24V
Maximum load current	0.5A/channel、2A/8unit
Rated current of bus input	130mA

CN20-ID32



Project	Specification
Type	CN20-ID32
Product name	32-channel transistor input module
IP grade	IP20
Certification	CE
Ambient working temperature	-10℃-55℃
Input/output channels	32 channels
Input/output type	NPN/PNP shared
Reted input voltage	DC24V
Rated current of bus input	40mA

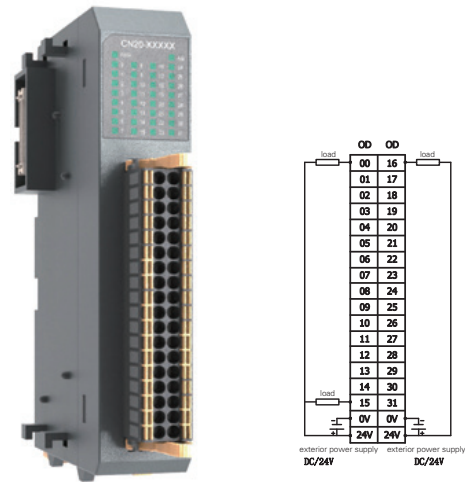
CN20-OD16P



Project	Specification
Type	CN20-OD16P
Product name	16- channel transistor output module
IP grade	IP20
Certification	CE
Ambient working temperature	-10℃-55℃
Input/output channels	16 channels
Output/Input type	PNP
Reted input voltage	DC24V
Maximum load current	0.5A/channel、2A/8unit
Rated current of bus input	130mA

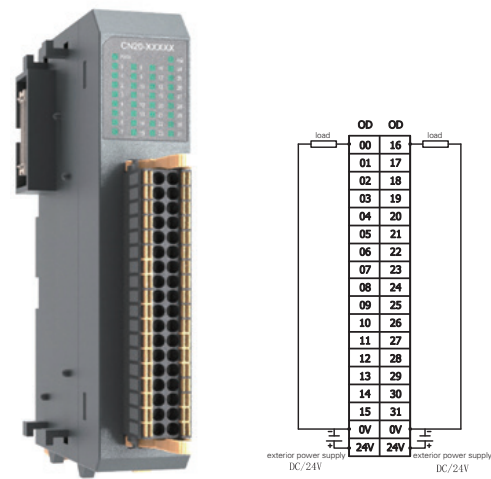
CN20 Extended module
DO module

CN20-OD32N



Project	Specification
Type	CN20—OD32N
Product name	32— channel transistor output module
IP grade	IP20
Certification	CE
Ambient working temperature	−10℃ −55℃
Input/output channels	32 channels
Output/Input type	NPN
Reted input voltage	DC24V
Maximum load current	0.5A/ channel, 2A/8 unit
Rated current of bus input	200mA

CN20-OD32P

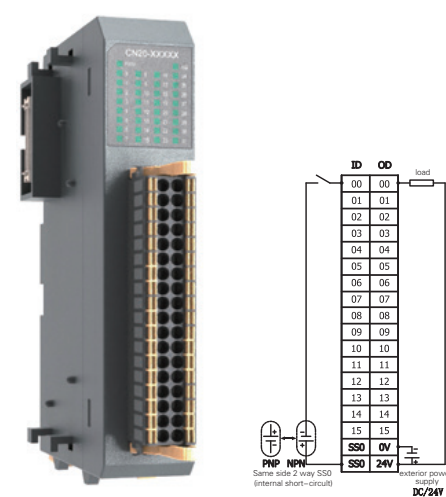


Project	Specification
Type	CN20—OD32P
Product name	32— channel transistor output module
IP grade	IP20
Certification	CE
Ambient working temperature	−10℃ −55℃
Input/output channels	32 channels
Output/Input type	PNP
Reted input voltage	DC24V
Maximum load current	0.5A/ channel, 2A/8 unit
Rated current of bus input	200mA

CN20 Extended module

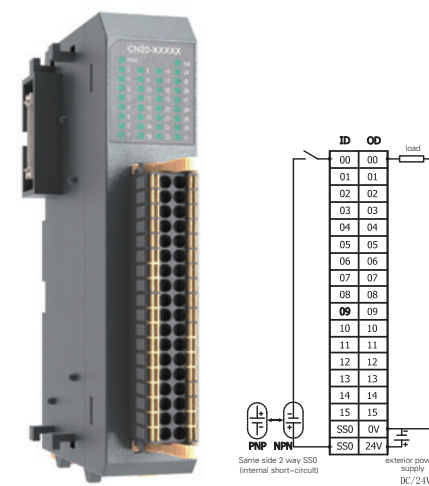
DI/DO module

CN20-1616N



Project	Specification
Type	CN20–1616N
Product name	16–channel input/16 channel transistor output module
IP grade	IP20
Certification	CE
Ambient working temperature	–10℃ –55℃
Input/output channels	16 channels/16 channels
Input/output type	NPN&PNP / NPN
Rated input voltage	DC24V
Maximum load current	0.5A/channel, 2A/8 unit
Rated current of bus input	150mA

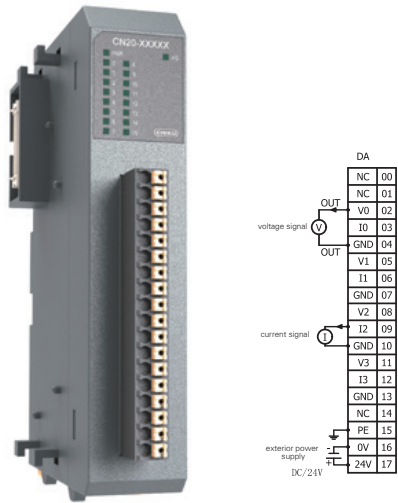
CN20-1616P



Project	Specification
Type	CN20–1616P
Product name	16–channel input/16 channel transistor output module
IP grade	IP20
Certification	CE
Ambient working temperature	–10℃ –55℃
Input/output channels	16 channels
Input/output type	NPN&PNP / PNP
Rated input voltage	DC24V
Maximum load current	0.5A/channel, 2A/8 unit
Rated current of bus input	150mA

CN20 Extended module
AI/AO module

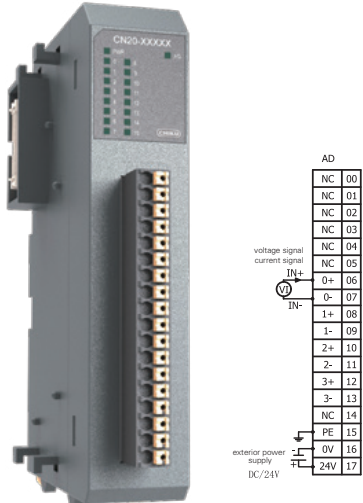
CN20-DA0412



Project	Specification
Type	CN20–DA04
Product name	4–channel AO module
IP grade	IP20
Certification	CE
Ambient working temperature	–10℃–55℃
Input/output channels	4 channels
Output/input type	Support Both voltage and current
Input range	Current:0–20mA,4–20mA Voltage: ±10V,0–10V, ±5V, 0–5V,1–5V
Conversion time	60us/channel
Resolution ratio	12bit
Accuracy (25℃)	±0.5%
Rated current of bus input	200mA

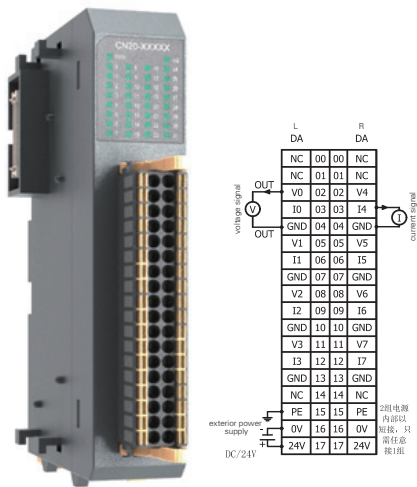
CN20 Extended module
AI/AO module

CN20-AD0416



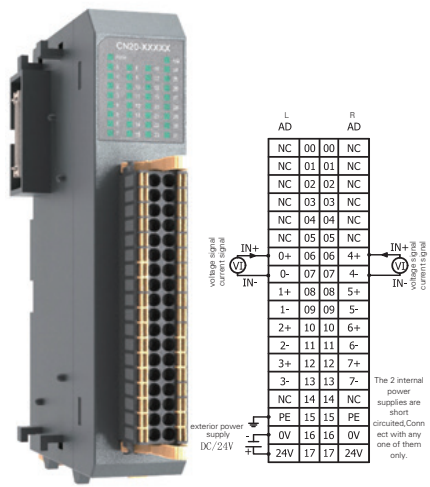
Project	Specification
Type	CN20–AD04
Product name	4–channel AI module
IP grade	IP20
Certification	CE
Ambient working temperature	–10℃–55℃
Input/output channels	4 channels
Output/input type	Support both voltage and current
Input range	"Current:0–20mA,4–20mA Voltage: ±10V,0–10V, ±5V, 0–5V,1–5V"
Conversion time	60us/channel
Resolution ratio	16bit
Accuracy (25℃)	±0.2%
Rated current of bus input	200mA

CN20-DA0812



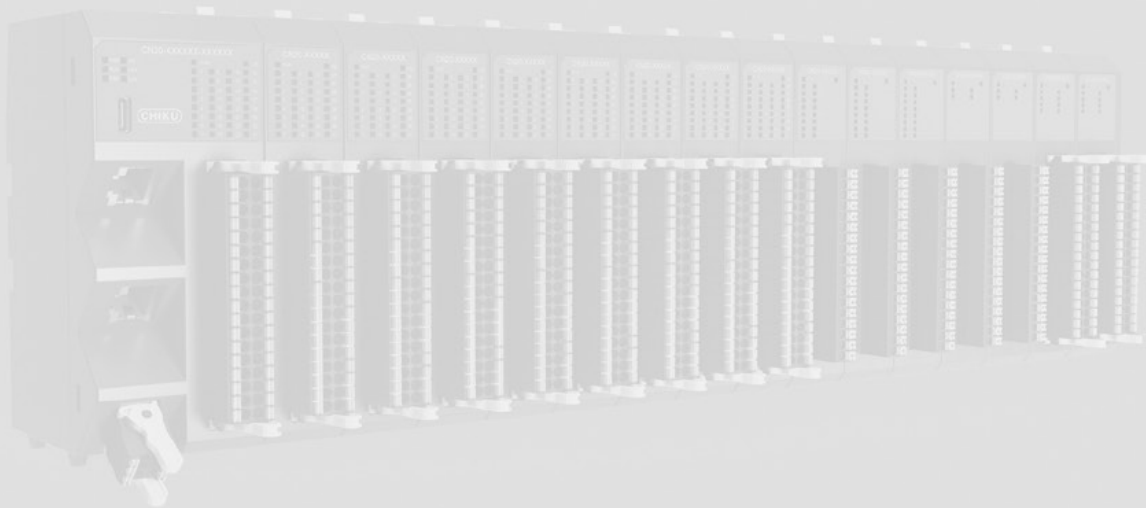
Project	Specification
Type	CN20–DA08
Product name	8–channel AO module
IP grade	IP20
Certification	CE
Ambient working temperature	–10℃–55℃
Input/output channels	8 channels
Output/input type	Support both voltage and current
Input range	Current:0–20mA,4–20mA Voltage: ±10V,0–10V, ±5V, 0–5V,1–5V
Conversion time	60us/channel
Resolution ratio	12bit
Accuracy (25℃)	±0.5%
Rated current of bus input	200mA

CN20-AD0816



Project	Specification
Type	CN20–AD08
Product name	8–channel AI module
IP grade	IP20
Certification	CE
Ambient working temperature	–10℃–55℃
Input/output channels	8 channels
Output/input type	Support both voltage and current
Input range	"Current:0–20mA,4–20mA Voltage: ±10V,0–10V, ±5V, 0–5V,1–5V"
Conversion time	60us/channel
Resolution ratio	16bit
Accuracy (25℃)	±0.2%
Rated current of bus input	200mA

Auxiliary functions
module/
product dimension/
Appendix



Terminal cover

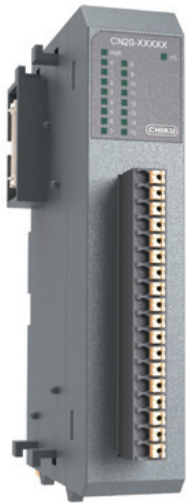


CN20-END01

Project	Specification
Type	CN20-END01
Product name	Terminal module
IP grade	IP20
Certification	CE

Auxiliary power module

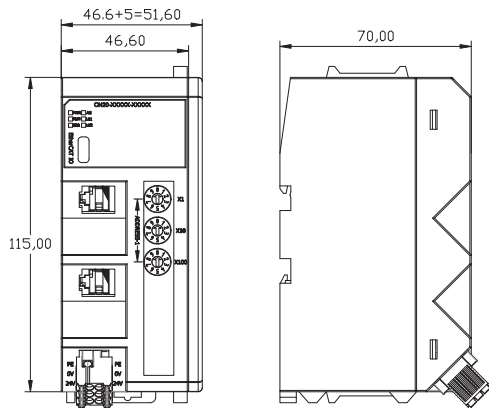
CN20-PWR01



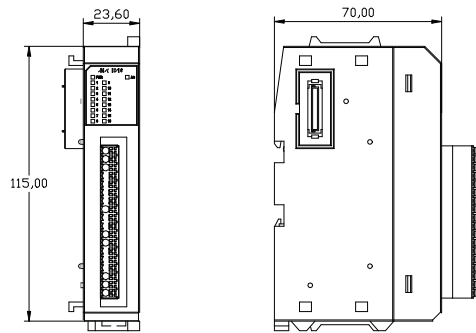
Power	
NC	
NC	
NC	
NC	
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NC	
NC	
NC	
NC	
NC	
0V	
24V	
NC	
PE	
0V	
24V	

Project	Specification
Type	CN20-PWR01
Product name	Auxiliary power module
IP grade	IP20
Certification	CE
Ambient working temperature	-10℃-55℃
Rated Input Voltage	24V DC(20.4V DC-28.8V DC)
Rated voltage of bus output power supply	5V DC(4.75V DC-5.25V DC)
Rated current of bus output power supply	3.5A(typical value when V=5V)
Power Protection	Overcurrent Protection, Anti-reverse connection protection,Surge Absorption

Product diamension

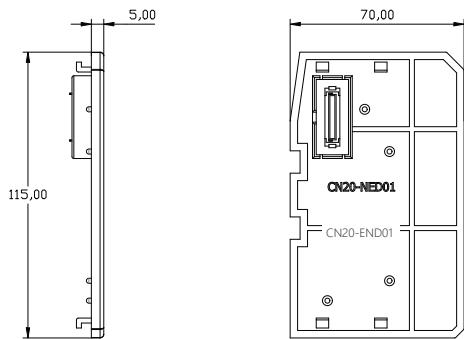


Coupler



Extended moudule

DI module, DO module
DI/DOmodule,AI module
AOmodule,Auxiliary funtion moudule



Terminal cover

Appendix(modeles No.)

EtherCAT coupler without channel

S/N	Models	Product description	Remarks
1	CN20-EC001	EtherCAT Coupler	
2	CN20-PN001	PROFIENT Coupler	
3	CN20-EIP001	EtherNet/IP Coupler	

EtherCAT Coupler with channel

S/N	Models	Product description	Remarks
1	CN20-EC001-ID16	EtherCAT Coupler+16-channel input(NPN and PNP compatible)	
2	CN20-EC001-ID32	EtherCAT Coupler+32-channel input(NPN and PNP compatible)	
3	CN20-EC001-OD16N	EtherCAT Coupler+16-channel output NPN	
4	CN20-EC001-OD16P	EtherCAT Coupler+16-channel output PNP	
5	CN20-EC001-OD32N	EtherCAT Coupler+32-channel output NPN	
6	CN20-EC001-OD32P	EtherCAT Coupler+32-channel output PNP	
7	CN20-EC001-1616N	EtherCAT Coupler+16-channel input(NPN and PNP compatible)/16-channel output NPN	
8	CN20-EC001-1616P	EtherCAT Coupler+16-channel input(NPN and PNP compatible)/16-channel output PNP	
9	CN20-EC001-AD04	EtherCAT Coupler+4-channel AI input	
10	CN20-EC001-AD08	EtherCAT Coupler+8-channel AI input	
11	CN20-EC001-DA04	EtherCAT Coupler+4-channel AO output	
12	CN20-EC001-DA08	EtherCAT Coupler+8-channel AO output	

PROFIENT Coupler with channel

S/N	Models	Product description	Remarks
1	CN20-PN001-ID16	PROFIENT Coupler+16-channel input(NPN and PNP compatible)	
2	CN20-PN001-ID32	PROFIENT Coupler+32-channel input(NPN and PNP compatible)	
3	CN20-PN001-OD16N	PROFIENT Coupler+16-channel output NPN	
4	CN20-PN001-OD16P	PROFIENT Coupler+16-channel output PNP	
5	CN20-PN001-OD32N	PROFIENT Coupler+32-channel output NPN	
6	CN20-PN001-OD32P	PROFIENT Coupler+32-channel output PNP	
7	CN20-PN001-1616N	PROFIENT Coupler+16-channel input(NPN and PNP compatible)/16-channel output NPN	
8	CN20-PN001-1616P	PROFIENT Coupler+16-channel input(NPN and PNP compatible)/16-channel output PNP	
9	CN20-PN001-AD04	PROFIENT Coupler+4-channel AI input	
10	CN20-PN001-AD08	PROFIENT Coupler+8-channel AI input	
11	CN20-PN001-DA04	PROFIENT Coupler+4-channel AO output	
12	CN20-PN001-DA08	PROFIENT Coupler+8-channel AO output	

EtherNet/IP Coupler with channel

S/N	Models	Product description	Remarks
1	CN20-EIP001-ID16	EtherNet/IP Coupler+16-channel input(NPN and PNP compatible)	
2	CN20-EIP001-ID32	EtherNet/IP Coupler+32-channel input(NPN and PNP compatible)	
3	CN20-EIP001-OD16N	EtherNet/IP Coupler +16-channel output NPN	
4	CN20-EIP001-OD16P	EtherNet/IP Coupler+16-channel output PNP	
5	CN20-EIP001-OD32N	EtherNet/IP Coupler +32-channel output NPN	
6	CN20-EIP001-OD32P	EtherNet/IP Coupler+32-channel output PNP	
7	CN20-EIP001-1616N	EtherNet/IP Coupler+16-channel input(NPN and PNP compatible)/16-channel output	
8	CN20-EIP001-1616P	EtherNet/IP Coupler+16-channel input (NPN and PNP compatible)/16-channel output	
9	CN20-EIP001-D004	EtherNet/IP Coupler+4-channel AO input	
10	CN20-EIP001-D008	EtherNet/IP Coupler+8-channel AO input	
11	CN20-EIP001-DA04	EtherNet/IP Coupler+4-channel AO output	
12	CN20-EIP001-DA08	EtherNet/IP Coupler+8-channel AO output	

Appendix(modeles No.)

Extended module (DI module,)

S/N	Models	Product description	Remarks
1	CN20-ID16	16-channel input(NPN and PNP compatible)	
2	CN20-ID32	32-channel input(NPN and PNP compatible)	

Extended module (DO module)

S/N	Models	Product description	Remarks
1	CN20-0D16N	16-channel output NPN	
2	CN20-0D16P	16-channel output PNP	
3	CN20-0D32N	32-channel output NPN	
4	CN20-0D32P	32-channel output PNP	

Extended module (DI/DO module)

S/N	Models	Product description	Remarks
1	CN20-1616N	16-channel input(NPN and PNP compatible)/16-channel output	
2	CN20-1616P	16-channel input(NPN and PNP compatible)/16-channel output	

Extended module (AI/AO module)

S/N	Models	Product description	Remarks
1	CN20-AD04	4-channel AI input	
2	CN20-AD08	8-channel AI input	
3	CN20-DA04	4-channel AO output	
4	CN20-DA08	8-channel AO output	

Extended module (Auxiliary funtion moudule)

S/N	Models	Product description	Remarks
1	CN20-PWR01	Auxiliary power module	
2	CN20-END01	Terminal module	