Product Catalogue

PLC Mainframe

Compact type PLC--PCS2 Series

Stand type PLC--PCG2 Series

Extension Modules

PSE Series Expansion

PTE Series Expansion

Pentax PLC Catalog

PCS2 Series PLC

PCS2 compact PLC series provides 14-16 points for mainframe and 8~40 points for digital input/output modules, including mainframe maximum input/output expansion up to 256/256 points. In addition, it can be used with analog input/output expansion module, temperature expansion module and weighing expansion module, it is rich in expansion and is stable in performance to meet various applications.

Technical parameters

Model	Total I/O points	Output Mode	Output amount Rated current	Digital (high speed) Input Points	Digital (high speed) Output Points	Output maximum frequency	Drive Motor	Communication Interface
PCS2-14TN(P)	14 points	NPN(PNP)	0.3A	8(4)①	6(1)	200khz	1 axis	RS232/RS485
PCS2-14TN(P)2	14 points	NPN(PNP)	0.3A	8(4)①	6(1)	200khz	1 axis	RS232/RS485*2
PCS2-14TN(P)	14 points	NPN(PNP)	0.3A	8(2)	6(1)	200khz	1 axis	RS232/RS485
PCS2-14R	14 points	Relay	2A	8(4)①	6(--)	200khz	---	RS232/RS485
PCS2-16TN(P)	1 6 points	NPN(PNP)	0. 3A	8(4)①	8(1)	200khz	1 axis	RS232/RS485

Note: The maximum frequency of input is 200kh ① means the maximum frequency of high speed input is 50khz.
Note: All compact PLCs have DC24V power input.

Specification \ Model		PCS2-14TN(P)		PCS2-14TN(P)2	
Supply Voltage		24VDC			
Input form		DC (NPN/PNP)			
Input Current		DC24V,5mA			
Input Impedance		4.7KΩ			
Input Points		8			
Input Points		X0~X3	X4~X7	X0~X3	X4~X7
Input maximum frequency		50kHz	10kHz	50kHz	10kHz
Input response time	Off→On	<10μs	<20μs	<10μs	<20μs
	On→Off	<20μs	<50μs	<20μs	<50μs
Output Point Type		Transistor NPN(PNP)		Transistor NPN(PNP)	
Output Points		6		6	
Output Points		Y0	Y1~Y5	Y0	Y1~Y5
Maximum output frequency		200kHz	10kHz	200kHz	10kHz
Output response counter time	Off→On	<2. 5μs	<20μs	<2. 5μs	<20μs
	On→Off	<5μs	<30μs	<5μs	<30μs

Specification \ Model		PCS2-16TN(P)		PCS2-14R	
Supply Voltage		24VDC			
Input form		DC (NPN/PNP)			
Input Current		DC24V,5mA			
Input Impedance		4.7KΩ			
Input Points		8			
Input Points		X0~X3	X4~X7	X0~X3	X4~X7
Input maximum frequency		50kHz	10kHz	50kHz	10kHz
Input response time	Off→On	<10μs	<20μs	<10μs	<20μs
	On→Off	<20μs	<50μs	<20μs	<50μs
Output Point Type		Transistor NPN(PNP)		Relays	
Output Points		8		6	
Output Points		Y0	Y1~Y7	All	
Maximum output frequency		200kHz	10kHz	–	
Output response counter time	Off→On	<2. 5μs	<20μs	About l0ms	
	On→Off	<5μs	<30μs		

PCG2 Series

PCG2 standard PLC series provides 14-68 points mainframe and 8~40 points digital input/output modules, including the mainframe maximum input/output expansion up to 256/256 points. In addition, it can be used with analog input/output expansion module, temperature expansion module, and weighing expansion module, with rich expansion and stable performance to meet a variety of applications.

Technical parameters

Transistor output type mainframe

Model	Total I/O points	Output Mode	Output amount Rated current	Digital (high speed) Input Points	Digital (high speed) Output Points	Analog Input Points	Analog Output Points	Analog input /output Voltage Range	Output maximum frequency	Drive Motor	Communication Interface
PCG2-14PN(P)-D	14 points	NPN(PNP)	0.3A	8 (2)	6 (3)				100khz	3 sets	RS232/RS485
PCG2-16TN(P)-D	16 points	NPN(PNP)	0. 3A	8 (4)①	8 (4)	—	—	—	10khz	----	RS232/RS485
PCG22-16TN(P)-D	16 points	NPN(PNP)	0. 3A	8 (2)	8 (1)	—	—	—	200khz	1 sets	RS232
PCG2-24PN(P)-D/A	24 points	NPN(PNP)	0. 3A	12(2)	12(6)	—	—	—	200khz	6 sets	RS232/RS485/USB
PCG2-24TN(P)-D/A	24 points	NPN(PNP)	0.3A	12(2)	12(2)	—	—	—	200khz	2 sets	RS232/RS485/USB
PCG2-32TN(P)-D/A	32 points	NPN(PNP)	0. 3A	16 (2)	16 (4)	—	—	—	200khz	4 sets	RS232/RS485/USB
PCG2-32TN(P)L-D/A	32 points	NPN(PNP)	0.3A	16 (6)	16 (4)	—	—	—	200khz	4 sets	RS232/RS485/USB
PCG2-32PN(P)-D/A	32 points	NPN(PNP)	0.3A	16 (6)	16 (8)	—	—	—	200khz	8 sets	RS232/RS485/USB
PCG2-40TN(P)-D/A	40 points	NPN(PNP)	0.3A	24 (6)	16 (4)	—	—	—	200khz	4 sets	RS232/RS485/USB
PCG2-40TN(P)-C-D/A	40 points	NPN(PNP)	0.3A	24 (6)	16 (4)	—	—	—	200khz	4 sets	RS232/RS485/USB/CAN
PCG2-40TN(P)2AO-D	40 points	NPN(PNP)	0.3A	24 (6)	16 (4)	—	2	0-10V	200khz	4 sets	RS232/RS485/USB
PCG2-40TN(P)1AI1AO-D	40 points	NPN(PNP)	0.3A	24 (6)	16 (4)	1	1	0-10V	200khz	4 sets	RS232/RS485/USB
PCG2-48TN(P)-D/A	40 points	NPN(PNP)	0. 3A	24 (6)	24 (4)	—	—	—	200khz	4 sets	RS232/RS485/USB
PCG2-48TN(P)6AO-D/A	48 points	NPN(PNP)	0. 3A	24(6)	24 (4)	—	6	0-10V	200khz	4 sets	RS232/RS485/USB
PCG2-48TN(P)-6AB-D/A	48 points	NPN(PNP)	0. 3A	28 (12)	20 (8)	—	—	—	200khz	4 sets	RS232/RS485/USB
PCG2-60TN(P)-D/A	48 points	NPN(PNP)	0. 3A	36 (6)	24 (4)	—	—	—	200khz	8 sets	RS232/RS485/USB
PCG23-60TN(P)-E-D/A	60 points	NPN	0. 3A	36 (6)	24(4)	—	—	—	200khz	4 sets	RS232/RS485/USB
PCG2-60PN(P)-D/A	60points	NPN(PNP)	0.3A	36(6)	24(4)	—	—	—	200khz 12 setsRS232/RS485/USB		
PCG2-68TN(P)-D	60points	NPN(PNP)	0.3A	36(6)	24(4)	—	—	—	200khz 4sets RS232/USB		

Relay output type mainframe

Model	Total I/O points	Output Mode	Output amount Rated current	Digital (high speed) Input Points	Relay Output Points	Analog Output Points	Analog input/output Voltage Range	Communication Interface
PCG2-14R-D	14 points	Relay	2A	8(4) ①	6	—	—	RS232/RS485
PCG2-14R3-D	14 points	Relay	2A	8(4) ①	6	—	—	RS232*2/RS485
PCG2-16R-D	16 points	Relay	2A	8(4) ①	8	—	—	RS232
PCG2-1608R-D/A	24 points	Relay	2A	16(—)	8	—	—	RS232/RS485/USB
PCG2-1410R-D/A	24 points	Relay	2A	14(—)	10	—	—	RS232/RS485/USB
PCG2-32R-D/A	32 points	Relay	2A	16 (2)	16	—	—	RS232/RS485/USB
PCG2-40R-D/A	40 points	Relay	2A	24 (6)	16	—	—	RS232/RS485/USB
PCG2-48R-D/A	48 points	Relay	2A	24(6)	24	—	—	RS232/RS485/USB
PCG2-48R6AO-D/A	48 points	Relay	2A	24(6)	24	6	0-10V	RS232/RS485/USB
PCG2-60R-D/A	60 points	Relay	2A	36(6)	24	—	—	RS232/RS485/USB

Note: The maximum frequency of input is 200kh ① means the maximum frequency of high speed input is 50khz.

Note: D in the product model number means DC24V, A means AC100V-AC240V, and the default is DC24V if there is no suffix D or A for distinguishing purpose

Performance Features

- Pulse control mode: It can drive stepper/servo motor up to 12 axes.
- It supports single-phase high-speed counting to 12 channels and differential high-speed counting input up to 6 channels: the maximum frequency is 200kHz.
- With Ethernet function, support online monitoring, download program, support MODBUSTCP/IP communication, free protocol communication.
- Using RS232 and RS485 dual-communication port, it both can realize HMI or PC communication, compatible with MODBUS ASCII and MODBUS RTU communication protocols.
- Advanced saving technology in case of power-down, the program is permanently saved.
- It can be expanded to 256 isolated input/output ports.
- Program undergoes encryption processing, it is optional to upload or not for protecting the user's intellectual property.
- You can download by inserting a USB disk, download and monitor the program by using a dual-headed USB cable for faster communication, with a download rate of up to 12Mbps.

Electrical specification of input point

Specification \ Model	PCG2-14R-D	PCG2-16R-D	PCG2-16TN(P)-D	PCG2-14PN(P)-D	PCG2-24PN(P)-D	PCG2-32TN(P)/R-D/A	PCG2-48TN(P)-6AB-D/A	
Input Points	X0~X3	X4~	X0~X1		X2~X7,X10~	X0~X13	X14~	
Input Point Type	Digital input							
Input form	DC (NPN/PNP)							
Input Current	DC24V, 5mA							
Input Impedance	4.7KΩ							
Maximum frequency	50kHz	10kHz	200kHz		10kHz	200kHz	10kHz	
Response time Off→On	<10μs	<20μs	<2.5μs		<20μs	<2.5μs	<20μs	
Response time On→Off	<20μs	<50μs	<5μs		<50μs	<5μs	<50μs	

Specification \ Model	HCG2-32PN(P)-D/A HCG2-32TN(P)L-D HCG2-48R-D/A	HCG2-40TN(P)-D/A HCG2-40R-D/A HCG2-60PN(P)-D/A	HCG2-60TN(P)-D/A HCG2-60R-D/A HCG2-48TN(P)-D	HCG2-40TN(P)-C-D/A HCG2-48TN(P)6AO-D/A HCG2-40TN(P)2AO-D/A	HCG2-40TN(P)1AI1AO-D/A HCG2-48R6A0-D/A
Input Points	X0~X5			X6~X7, X10~	
Input Point Type	Digital input				
Input form	DC (NPN/PNP)				
Input Current	DC24V, 5mA				
Input Impedance	4.7KΩ				
Maximum frequency	200kHz			10kHz	
Response time Off→On	<2.5μs			<20μs	
Response time On→Off	<5μs			<50μs	

Electrical specifications for output points

Specification \ Model	PCG2-14R-D	PCG2-16R-D	PCG2-32R-D	PCG2-40R-D	PCG2-48R-D	PCG2-48R6AO-D	PCG2-60R-D
Output Point Type	Relay Output						
Output Points	All						
Maximum load	2A AC250V/DC30V						
Response time	About 10ms						

Specification \ Model	PCG2-16T(N)P-D	PCG2-24PN(P)-D/A PCG2-32PN(P)-D/A PCG2-60PN(P)-D/A	PCG2-40TN(P)-D/A PCG2-40TN(P)-C-D/A PCG2-32/40TN(P)-E-D/A PCG2-68TN(P)-D	HCG2-40TN(P)2AO-D HCG2-40TN(P)1AI1A0-D HCG2-48TN(P)6AO-D/A HCG2-60TN(P)-D/A	HCG2-48TN(P)-6AB-D/A	
Output Point Type	NPN(PNP)	NPN(PNP)	NPN(PNP)		NPN(PNP)	
Output Points	All	Y0,Y2,Y4,Y6…… (output points are even)	Y0,Y2,Y4,Y6	Y1,Y3,Y5,Y7~	Y0,Y2,Y4,Y6,Y10, Y12,Y14,Y16	Y1,Y3,Y5,Y7,Y11 Y13,Y15,Y17
Maximum frequency	10kHz	200kHz	200kHz	10kHz	200kHz	10kHz
Maximum load Resistive	0.3A/1 point（2.4A/COM）					
Maximum load Inductive	15W					
Response time Off→On	<20μs	<2μs	<20μs	<2μs	<2μs	<20μs	<2μs	<20μs
Response time On→Off	<30μs	<3μs	<30μs	<3μs	<3μs	<30μs	<3μs	<30μs

Extension Modules

Extended Series	Mainframe Series
PTE Series	PCS2 series
PSE Series	PCG2 series

PSE Series Expansion
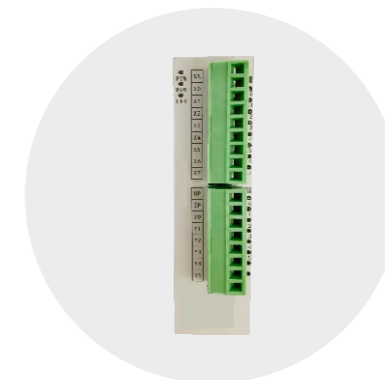
PTE Series Expansion

> Card Type Extension--PTE Series

In order to meet the application requirements of more occasions, the mainframe can be equipped with abundant expansion modules.
Pentax expansion modules are mainly divided into digital input and output expansion modules, analog input and output expansion modules, temperature expansion modules, weighing expansion modules and other major categories.
Each type of module has a variety of points, and can be flexibly configured with various I/O scales of the Company to achieve higher cost performance.
Note: Only available with the expansion module of the Company's mainframe

Performance Features

- Input and output are optoelectronic isolated for each channel, with high reliability and anti-interference capability.
- Power supply has reverse connection protection and surge absorption function, which can be applied to a variety of working environments.
- The maximum number of digital I/O points is: 256DI/256DO.
- One mainframe can be equipped with 16 expansion modules.

PTE Series Digital Expansion

Digital input expansion

Model	Function	Specification
PTE-8XT	8-channel digital input	NPN/PNP input DC24V power supply, no need for external power supply Maximum frequency at input point : 10Khz
PTE-16XT	16-channel digital input	

Digital output expansion

Model	Function	Specification
PTE-8YTN(P)	8-channel transistor output	DC24V power supply, no need for external power supply TP: PNP type transistor output TN: NPN type transistor output Response time: approx. 50us Maximum output current: 0.3A per point
PTE-16YTN	16-channel transistor output	
PTE-16YTP	16-channel transistor output	

Digital input/output expansion
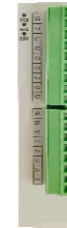
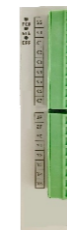| Model	Function	Specification
PTE-16TN(P)	8-channel digital input, 8-channel transistor output	DC24V power supply, no need for external power supply NPN/PNP input Maximum input piont frequency 10Khz TP: PNP type transistor output TN: NPN type transistor output T response time: about 50us T maximum output current: 0.3A per point

PTE Series Analog Expansion

Performance Features

- High reliability and strong anti-interference capability.
- Power supply has reverse connection protection and surge absorption function, it can be applied to a variety of working environments.
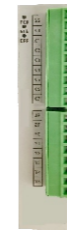
Analog input expansion

Model	Function	Specification
PTE-8AI	8-channel analog input	Voltage range: 0V-10V Current range: 0-20mA; 4-20mA Resolution: 12bit

Analog output expansion

Model	Function	Specification
PTE-4AO	4channel analog input	Voltage range: -10V-10V Current range: 0-20mA; 4-20mA Resolution: 12bit

Analog input/output expansion

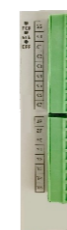| Model	Function	Specification
PTE-4AI2AOS	4-channel analog input, 2-channel analog output	Voltage range: (input: 0V-5V; 0-10V,output: 0-10V) Current range: 0-20mA; 4-20mA Resolution: 12bit

Temperature Extension

Model	Function	Specification
PTE-4PTY	4-channel temperature input, 4-channel transistor NPN output	Support PT100, measurement range -50~300°C, accuracy 1°C
PTE-1AI-1AO	1 channel temperature input, 1 channel analog output	Support K-type thermocouple, measuring range 0~800°C Voltage range: 0~10V

Weighing Extension

Model	Function	Specification
PTE-2L	2-channel weighing input	DC24V power supply, no need for external power supply Resolution 24 bits, accuracy ±1%
PTE-4L	4-channel weighing input	DC24V power supply, no need for external power supply Resolution 24 bits, accuracy ±1%

► Standard Extension--PSE Series

In order to meet the application requirements of more occasions, the mainframe can be equipped with abundant expansion modules. Pentax expansion modules are mainly divided into digital input and output expansion modules, analog input and output expansion modules, temperature expansion modules, weighing expansion modules and other major categories.
Each type of module has a variety of points, and can be flexibly configured with various I/O scales of the Company to achieve higher cost performance.
Note: Only available with the expansion module of the Company's mainframe

PSE Series Digital Expansion

Performance Features

- Input and output are optoelectronically isolated for each channel, with high reliability and strong anti-interference capability.
- Power supply has reverse connection protection and surge absorption function, it can be applied to a variety of working environments.
- The maximum number of digital I/O points is: 256DI/256DO.
- One mainframe can be equipped with 16 expansion modules.

Digital input expansion

Model	Function	Specification
PSE-8XT	8-channel digital input	NPN/PNP input DC24V power supply, no need for external power supply Maximum frequency at input point: 10Khz
PSE-16XT	16-channel digital input	

Digital output expansion

Model	Function	Specification
PSE-8YTN(P)	8-channel transistor output	DC24V power supply, no need for external power supply
PSE-16YTN(P)	16-channel transistor output	R: Relay output TP: PNP type transistor output TN: NPN type transistor output R response time: approx. 10ms T response time: about 50us
PSE-16YR	16-channel relay output	R maximum output current: max. 2A
PSE-32YTN(P)	32-channel transistor output	T maximum output current: 0.3A per point

Digital input/output expansion

Model	Function	Specification
PSE-8TN(P)	4-channel digital input, 4-channel transistor output	DC24V power supply, no need for external power supply
PSE-16TN(P)	8-channel digital input, 8-channel transistor output	NPN/PNP input Maximum frequency at input point 10Khz
PSE-16R	8-channel digital input, 8-channel relay output	R: Relay output TP: PNP type transistor output
PSE-32TN(P)	16-channel digital input, 16-channel transistor output	TN: NPN type transistor output R response time: about 10ms
PSE-32R	16-channel digital input, 16-channel relay output	T response time: about 50us R maximum output current: max. 2A
PSE-40TN(P)	24-channel of digital input, 16-channel of transistorized output	T maximum output current: 0.3A per point

PSE Series Analog Expansion

Performance Features

- High reliability and strong anti-interference capability.
- Power supply has reverse connection protection and surge absorption function, it can be applied to a variety of working environments.

Analog output expansion

Model	Function	Specification
PSE-4AO	4-channel analog output	Voltage range: -10V~10V Current range: 0-20mA; 4-20mA Resolution: 12bit
PSE-4AOS	4-channel analog output	Voltage range: 0V-10V Current range: 0-20mA; 4-20mA Resolution: 12bit

Analog input/output expansion

Model	Function	Specification
PSE-4AI2AO	4-channel analog input, 2-channel analog output	Voltage range: (input/output: -10V~10V) Current range: (input/output: 0-20mA; 4-20mA) Resolution: 12bit
PSE-4AI2AOS	4-channel analog input, 2-channel analog output	Voltage range: (input 0V-5V; 0-10V, output: 0-10V) Current range: 0-20mA; 4-20mA Resolution: 12bit

Temperature Extension

Model	Function	Specification
PSE-4TCY	4-channel temperature input, 4-channel transistor NPN output	Support K-type thermocouple, measurement range: 0~900°C, accuracy: 1 °C
PSE-4TCY2	4-channel temperature input, 4-channel transistor NPN output with RS485	Support K-type thermocouple, measurement range: 0~900°C, accuracy: 1 °C
PSE-8TCY	8-channel temperature input, 8-channel transistor NPN output	Support K-type thermocouple, measurement range: 0~900°C, accuracy: 1 °C
PSE-8TCY2	8-channel temperature input, 8-channel transistor NPN output with RS485	Support K-type thermocouple, measurement range: 0~900°C, accuracy: 1 °C
PSE-8PT	8-channel temperature input	Support PT100, measurement range: -50~300°C, accuracy: 1°C
PSE-2TC-A	2-channel temperature input, 2-channel SSR firmware relay output	Support PT100/K type thermocouple, measuring range: 300°C, accuracy: °C

Weighing Extension

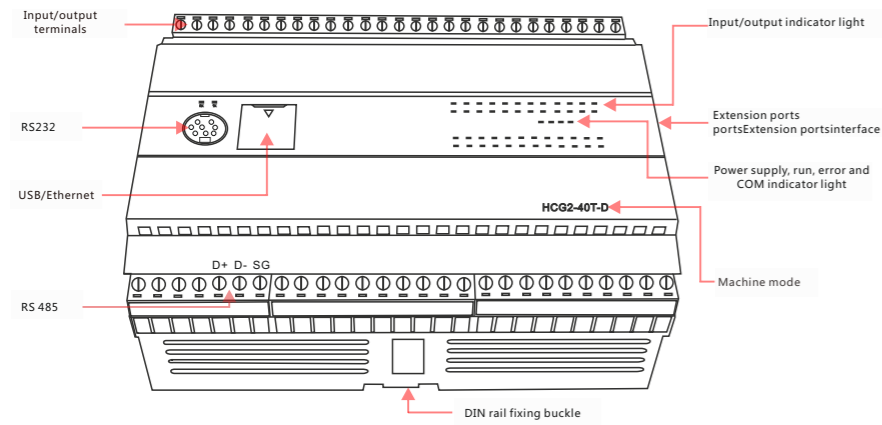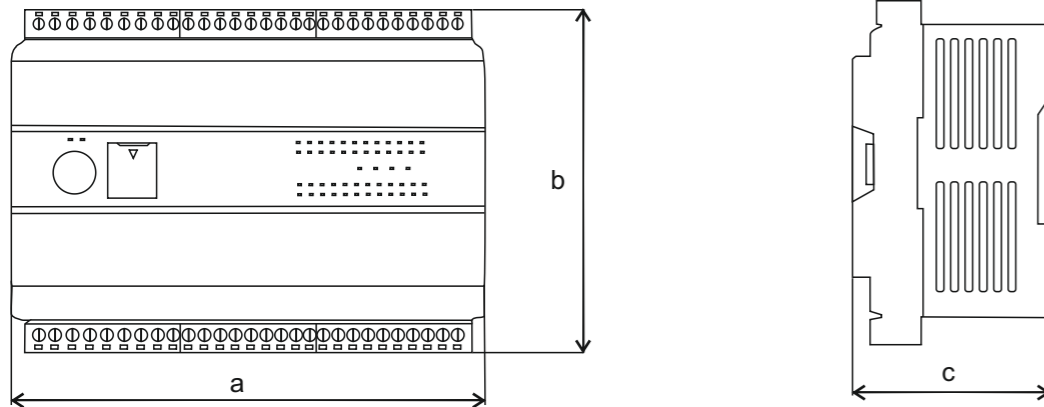| Model	Function	Specification
PSE-2L	2-channel weighing input	DC24V power supply, no need for external power supply Resolution 24 bits, accuracy ±1%
PSE-4L	4-channel weighing input	DC24V power supply, no need for external power supply Resolution 24 bits, accuracy ±1%

Thyristor output extension

Model	Function	Specification
PSE-4S-A	4-channel SSR thyristor output	DC24V power supply, no need for external power supply Drive AC vibration plate within 500W

Mainframe size

## Introduction to product dimensions and positions of PCG2 Series

Input/output terminals

RS232

USB/Ethernet

RS 485

Input/output indicator light

Extension ports portsExtension portsinterface

Power supply, run, error and COM indicator light

HCG2-40T-D

Machine mode

D+ D- SG

DIN rail fixing buckle

Mounting dimensions

b

c

a

Mainframe	Size（mm）		
	a	b	c
14-16 points	60	110	61
24-40 points	141	110	61
48-68 points	201	110	61

Introduction to product dimensions and positions of PCS2 series mainframe
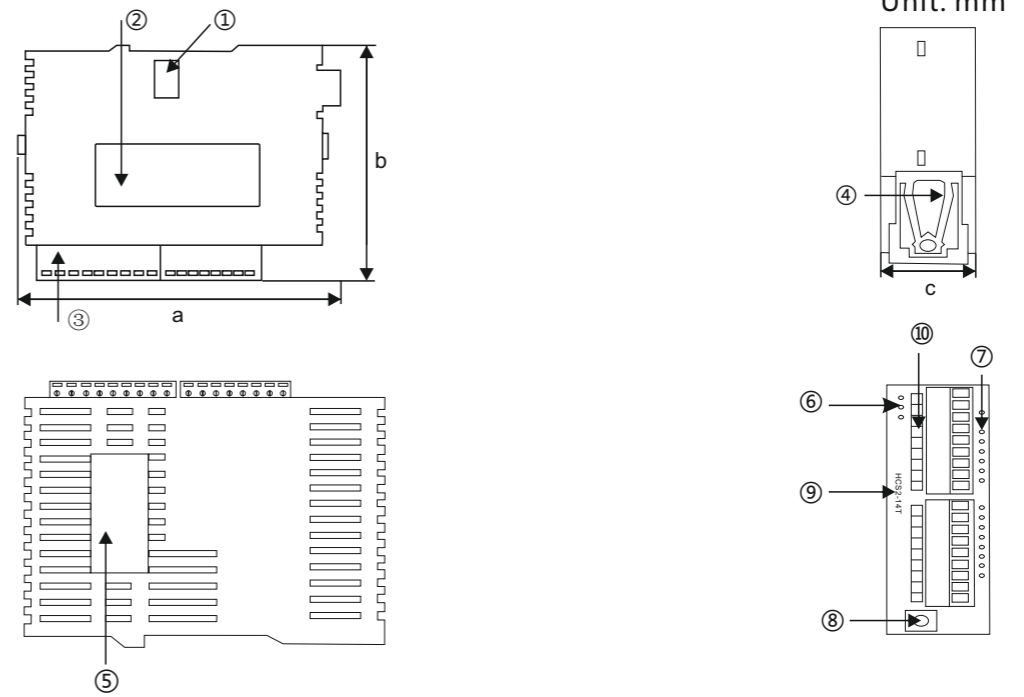
Unit: mm

② ①

b

③ a

⑤

⑩ ⑦

⑥

⑨

⑧

④

c

① Expansion interface	⑥ Power, operation, error indicator light
② Nameplate	⑦ Input/output indicator
③ Input/output terminals	⑧ RS232 interface
④ DIN rail fixing buckle	⑨ Machine model
⑤ Company's logo	⑩ Input/Output silkscreen name

Mainframe	Size（mm）		
	a	b	c
14-16 points	90	60	26

PSE Series Expansion Product dimensions
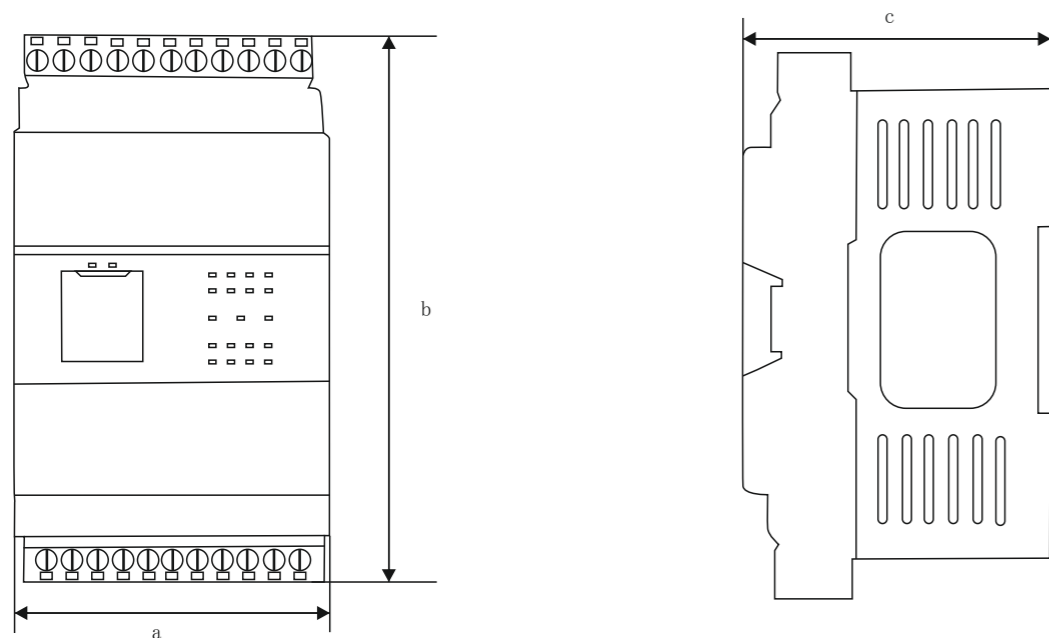
Expansion	Size（mm）		
	a	b	c
8-16 point digital quantity expansion and analog quantity expansion	60	110	60
32-40 point digital quantity expansion, PSE-8TCY	141	110	60

Dimensions of PTE Series Expansion
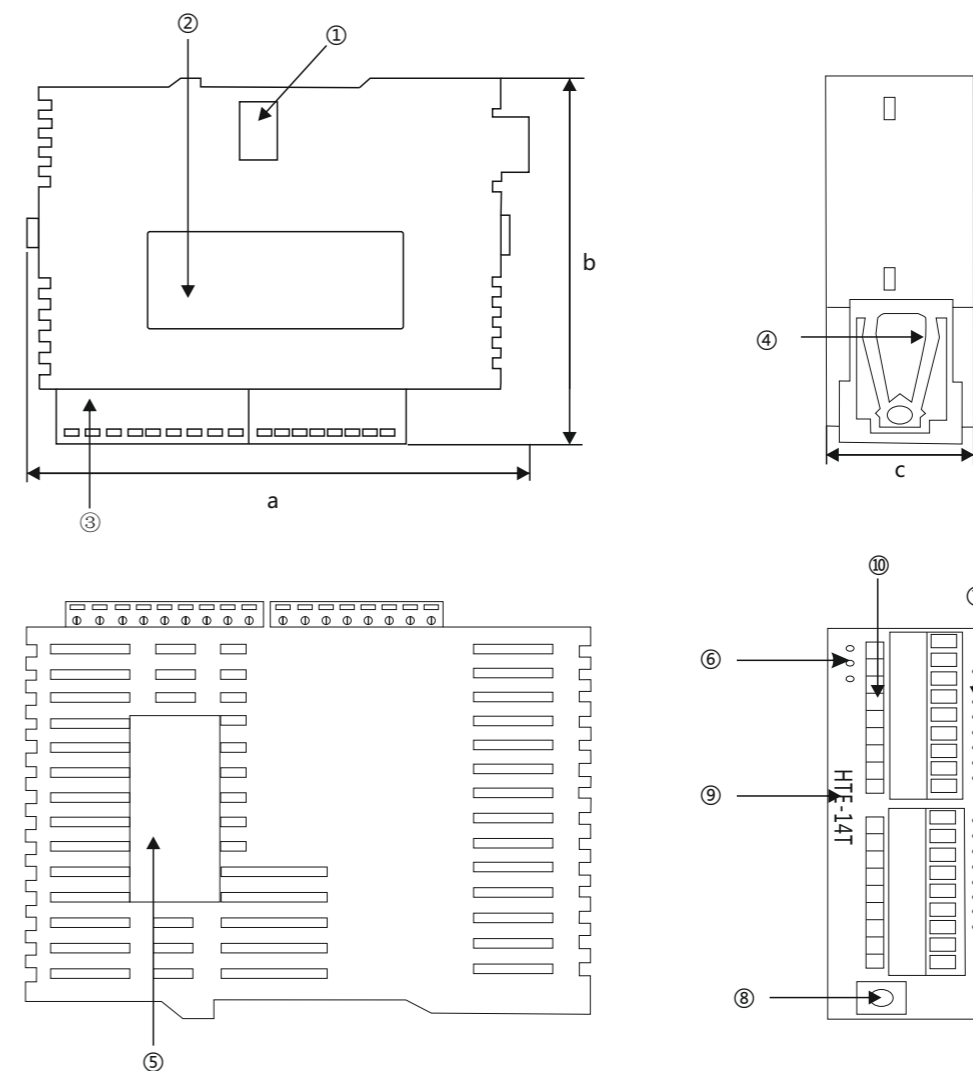
| ① Expansion interface	⑥ Power, operation, error indicator light
② Nameplate	⑦ Input/output indicator
③ Input/output terminals	⑧ RS232 interface
④ DIN rail fixing buckle	⑨ Machine model
⑤ Company's logo	⑩ Input/Output silkscreen name

Expansion	Size（mm）		
	a	b	c
8-16 points	90	60	26

PLC Expansion

LED system status self-diagnosis

- POW (24VDC/AC220V power supply indicator light)

  On: 24VDC/AC220V power supply is normal
  Off: no 24VDC/AC220V power supply

- RUN (Run indicator light)

  On: PLC program runs normally
  Off: PLC program is not running/Insufficient voltage of DC24V (AC220V)

- COM (expansion indicator light)

  On: Successful connect to the expansion module
  Off: not connected/incorrectly connected to the expansion module

- ERR (Run error indicator light)

  Blink: PLC program has run error/or program invalid run
 Off: PLC program runs normally

Round port RS232 interface diagram

8-core
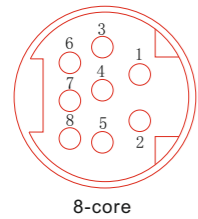
Pin number	Description	Description
5	TXD	Sending data
4	RXD	Receiving data
3	GND	Signal ground
6	GND	Signal ground
8	GND	Signal ground

9-pin RS232 interface diagram
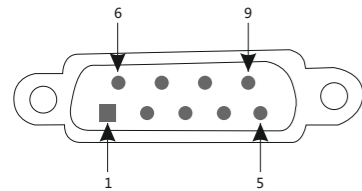
Pin number	Description	Description
2	TXD	Sending data
3	RXD	Receiving data
5	GND	Signal ground
9	GND	Signal ground

Input wiring diagram

NPN input
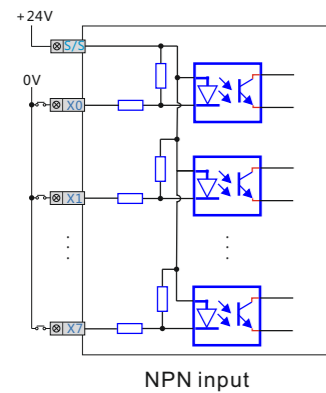
Output wiring diagram

NPN transistor output
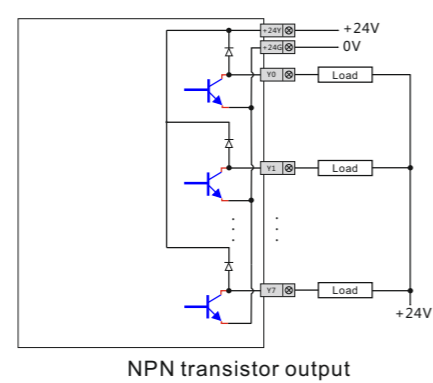
Serial port (RS232/RS485) communication parameter specifications

Category	Parameters
Communication mode	Half Duplex
Baud rate	9600bps (factory default), 19200bps, 38400bps, 57600bps, 115200bps
Data type	7 (factory default), 8
Mode	RTU, ASCII (factory default)
Station number	1-255 (factory default 1)

Naming Rules

Mainframe naming rules

P C G 2 - 4 0 T N (P) - E - D

Product Series	Product Points	Output Type	Ethernet	Power Supply Type
PCG2: HCG2 Series mainframe	40: 40-point mainframe	TN:NPN type transistor	E: Ethernet	D: DC
PCS2: HCS2 series mainframe	32: 32-point mainframe	TP:PNP type transistor	C: CAN bus	A:AC
	60: 60-point mainframe	R:Relay		
	68: 68-point mainframe			

P C G 2 - 4 0 T N (P) - 1 A I 1 A O

Product Series	Product Points	Output Type	Number of Points	Analog	Number of Points	Analog
HCG2: HCG2 Series mainframe	40: 40-point mainframe	TN:NPN type transistor		Analog input		Analog output
HCD2: HCD2 series mainframe	32: 32-point mainframe	TP:PNP type transistor				
HCH2: HCH2 series mainframe	60: 60-point mainframe	R:Relay				
HCS2: HCS2 series mainframe	68: 68-point mainframe					

Naming Rules for Extensions

P S E - 4 A I 2 A O S

Product Series	Number of Points	Input Type	Number of Points	Output Type
PSE: SE Series Expansion		Analog input		Analog output
PTE: TE Series Extensions				