4

XC201 Modular PLCs

Order backplane, terminals and battery accessories separately.

- 24 Vdc input supply
- Real time clock
- Expandable with 15 XIOC modules
- 8 digital inputs
- 2 interrupt inputs

- Incremental encoder inputs
- High speed counter (50 kHz) inputs
- 6 digital outputs

- Ethernet and RS-232 interface for programming and communication
- CANopen interface (1 MB)
- Slot for SD memory card
- USB interface

- RUN/STOP switch and LED indicators
- Built-in Web server on XV models

XC201

XC201 Modular PLCs

Program Memory Size	Cycle Time [1]	Ethernet	CANOpen	Serial Interface	Web Server	Pkg. Qty.	Style Number	Catalog Number
256 kB	<0.15 ms	✓	1	1, RS-232	—	1	262155	**XC-CPU201-EC256K**
2 MB	<0.15 ms	✓	1	1, RS-232	—	1	262157	**XC-CPU201-EC512K**
256 kB Integrated web server	<0.15 ms	✓	1	1, RS-232	✓	1	262156	**XC-CPU201-EC256K-XV**
2 MB Integrated web server	<0.15 ms	✓	1	1, RS-232	✓	1	262158	**XC-CPU201-EC512K-XV**

XC202 Modular PLCs

Order backplane, terminals and battery accessories separately.

- 24 Vdc input supply
- Real time clock
- Expandable with 15 XIOC modules
- 8 digital inputs
- 2 interrupt inputs

- Incremental encoder inputs
- High speed counter (50 kHz) inputs
- 6 digital outputs

- Ethernet and RS-232 interface for programming and communication
- CANopen interface (1 MB)
- Slot for SD memory card
- USB interface

- RUN/STOP switch and LED indicators
- Built-in Web server

XC202

XC202 Modular PLCs

Program Memory Size	Cycle Time [1]	Ethernet	CANOpen	Serial Interface	Web Server	Pkg. Qty.	Style Number	Catalog Number
4 MB Integrated web server	<0.025 ms	✓	1	1, RS-232	✓	1	134238	**XC-CPU202-EC4M-XV**

XIOC Expansion Modules

Order screw, spring-cage terminals or 40-pin connector cable for 32 I/O modules separately.

- 8, 16 and 32 input modules
- 8, 16 and 32 output modules

- User configurable input/output module

- Isolated relay output module

XIOC—Digital

XIOC Digital Expansion Modules

Description	Pkg. Qty.	Style Number	Catalog Number
8 inputs, 24 Vdc	1	257891	**XIOC-8DI**
16 inputs, 24 Vdc	1	257892	**XIOC-16DI**
32 inputs, 24 Vdc	1	267411	**XIOC-32DI**
8 outputs, 24 Vdc, 0.3A	1	257894	**XIOC-8DO**
16 outputs, 24 Vdc, 0.3A	1	257896	**XIOC-16DO**
16 outputs, 24 Vdc, 0.8A, short-circuit protected	1	257895	**XIOC-16DO-S**
16 terminals, 4 inputs, 12 configurable as inputs/outputs, 24 Vdc—outputs 0.5A	1	262322	**XIOC-16DX**
32 outputs, 24 Vdc, 0.2A	1	267413	**XIOC-32DO**
12 relay outputs, isolated	1	257897	**XIOC-12DO-R**

Note

[1] Cycle time per 1k of instructions.

XIOC Digital Input Modules

Description	Unit	XIOC-8DI	XIOC-16DI	XIOC-32DI
Modules				
Input type		DC input	DC input	DC input
Input voltage	Vdc	24	24	24
Permissible range	Vdc	20.4–28.8	20.4–28.8	20.4–28.8
Input voltage	Vac	—	—	—
Permissible range	Vac	—	—	—
Input resistance		Normally 3.5 kohm	Normally 5.9 kohm	Normally 5.6 kohm
Input current	mA	Normally 6.9	Normally 4.0	Normally 4.3
Voltage level to IEC 61131-2, limit value type 1				
ON	Vdc	≥15	≥15	≥15
OFF	Vdc	≤5	≤5	≤5
Input delay				
OFF $\longrightarrow$ ON	ms	5 (normally 4)	5 (normally 4)	5 (normally 4)
OFF $\longrightarrow$ ON	ms	5 (normally 4)	5 (normally 4)	5 (normally 4)
Input channels	Number	8	16	32
Channels with the same reference potential	Number	8	16	32
Potential isolation		With optocouplers	With optocouplers	With optocouplers
Indication		LED (green)	LED (green)	16 LEDs (green), switchable: 0–15, 16–31
Terminals		Plug-in terminal block	Plug-in terminal block	XIOC-TERM32 (connector and cable)
Internal current consumption (5 Vdc)	mA	Normally 26	Normally 51	Normally 100
Weight	kg	0.16	0.16	0.16

XIOC Digital Output Modules

Description	Unit	XIOC-8DO	XIOC-16DO	XIOC-16DO-S	XIOC-32DO
Modules					
Output type		Transistor (source type)	Transistor (source type)	Transistor (source type)	Transistor (source type)
Output voltage	Vdc	24 (−15 to +20%)	24 (−15 to +20%)	24 (−15 to +20%)	24 (−15 to +20%)
Switching current, minimum	mA	1	1	1	1
Leakage current	mA	0.1	0.1	0.1	0.1
Maximum load current					
Per circuit	A	0.3	0.3	0.8	0.2
Per common potential terminal	A	2.4	4	5	3.2
Output delay					
OFF $\longrightarrow$ ON	ms	≤0.3	≤0.3	≤0.3	≤0.3
OFF $\longrightarrow$ ON	ms	≤1	≤1	≤1	≤1
Output channels	Number	8	16	16	32
Channels with the same reference potential	Number	8	16	16	32
Overvoltage protection		Diode	Diode	Integrated	Diode
Fuse rating	A	4	8	None	8
Potential isolation		With optocouplers	With optocouplers	With optocouplers	With optocouplers
Indication		LED (green)	LED (green)	LED (green)	16 LEDs (green) switchable: 0–15, 16–31
Terminals		Plug-in terminal block	Plug-in terminal block	Plug-in terminal block	XIOC-TERM32 (connector and cable)
Internal current consumption (5 Vdc)	mA	Normally 30	Normally 50	Normally 50	Normally 250
External voltage for outputs/module (30 mA for module supply) (U_s)	Vdc	24 (−15 to +20%)	24 (−15 to +20%)	24 (−15 to +20%)	24 (−15 to +20%)
Short-circuit protection		—	—	Yes	—
Weight	kg	0.16	0.16	0.16	0.16