XI/OC – Simple Expansion

XI/OC are local expansion modules for direct connection to all XControl PLCs. Up to 15 modules can be connected directly to each PLC. You can also choose between a wide range of digital, analog and technology functions.

Analog I/O modules   Digital I/O modules   Counter modules   Network modules

Digital inputs		XIOC-8DI	XIOC-16DI	XIOC-32DI
Input type		DC input		
Input voltage	V DC	24		
Input channels	No.	8	16	32
Potential isolation		with optocouplers		
Indication		LED (green)		16 LED (green), switchable: 0 - 15, 16 - 31
Terminals		Plug-in terminal block		XIOC-TERM32 (connector and cable)
Article no.		**257891**	**257892**	**267411**

Digital outputs		XIOC-8DO	XIOC-16DO	XIOC-16DO-S	XIOC-32DO
Output type		Transistor (source type)			
Output voltage	V DC	24 (-15...+20 %)			
Output channels	No.	8	16		32
Channels with the same reference potential	No.	8	16		32
Overvoltage protection		Diode			
Potential isolation		with optocouplers			
Indication		LED (green)			16 LED (green), switchable: 0 - 15, 16 - 31
Terminals		Plug-in terminal block			XIOC-TERM32 (connector and cable)
Short-circuit protection		-		yes	-
Article no.		**257894**	**257896**	**257895**	**267413**

Digital output		XIOC-12DO-R
Output type		Relays
Output voltage	V DC	24
Output voltage	V AC	100/240
Maximum load current:		
per circuit	A	2
per common potential terminal	A	5
Output channels	No.	12
Overvoltage protection		external
Potential isolation		with optocouplers
Indication		LED (green)
Terminals		Plug-in terminal block
Article no.		**257897**

Input / output modules		XIOC-16DX
Power supply:		
Supply voltage		24 V DC (-15/+20%)
Potential isolation:		
between power supply and I/O bus		yes
between power supply and I/O		no
Indication		LED
Inputs:		
Input type		DC input
Inputs	No.	4, 12, configurable
Outputs:		
Output type		Transistor (source type)
Outputs	No.	max. 12 configurable
Short-circuit rating		yes
Number of outputs that can be switched in parallel		max. 3
Article no.		**262322**

Analog inputs		XIOC-8AI-I2	XIOC-8AI-U1	XIOC-8AI-U2	XIOC-4T-PT
Input voltage	V DC	-	0 to 10	-10 to +10	-
Input current	mA	4 - 20	-	-	-
Resolution digital	Bit	12			15 with sign
Total errors	%	$\leq \pm 1\%$ (of full-scale value)			
Potential isolation:					
Circuit within each channel		with optocouplers			
between the input channels		no			
Input channels	No.	8			4
Platinum RTD		-			Pt100 (IEC 75t), Pt1000
Temperature measuring range		-			-20 to +40 °C/-50 to +400 °C (uninterrupted current: 2 mA)
Article no.		**262549**	**257899**	**257900**	**257901**

Analog input / output modules		XIOC-2AI-1AO-U1	XIOC-2AI-1AO-U1-I1	XIOC-4AI-2AO-U1	XIOC-4AI-2AO-U1-I1
Inputs:					
Input voltage	V DC	0 - 10			
Input current	mA	-	0 - 20	-	0 - 20
Resolution	Bit	14			
Total errors	%	normally 0.4			
Potential isolation: Circuit within each channel		no			
Channels	No.	2		4	
Outputs:					
Output voltage	V DC	0 - 10			
Output current	mA	-	0 - 20	-	0 - 20
Resolution	Bit	12			
Errors	%	normally 0.4			
Potential isolation: Circuit within each channel		no			
Potential isolation: Between the output channels		no			
Number of channels		1		2	
Terminals		Plug-in terminal block			
Article no.		**262409**	**281545**	**262405**	**281544**

Analog outputs		XIOC-4AI-T
Number of channels		4
Temperature measuring range		Type K: -270...1370 Type J: -210...1200 Type B: 100...1800 Type N: -270...1300 Type E: -270...1000 Type R: -50...1760 Type T: -200...400
Voltage measurement		-50 mV...50 mV -100 mV...100mV -500 mV...500mV -1000 mV...1000mV
Cold-junction compensation		yes, built-in
Resolution	Bit	16
Total errors	%	±0.5 of measurement range
Article no.		**289933**

Analog outputs		XIOC-2AO-U1-2AO-I2	XIOC-4AO-U1	XIOC-2AO-U2
Output voltage	V DC	0 - 10		-10 - 10
Output current	mA	4 - 20	-	
Resolution	Bit	12		
Total errors		≤ ± 1% (of full-scale value)		
Potential isolation:				
Circuit within each channel		with optocouplers		
Between channels		no		
Terminals		Plug-in terminal block		
Article no.		**257902**	**257903**	**257904**