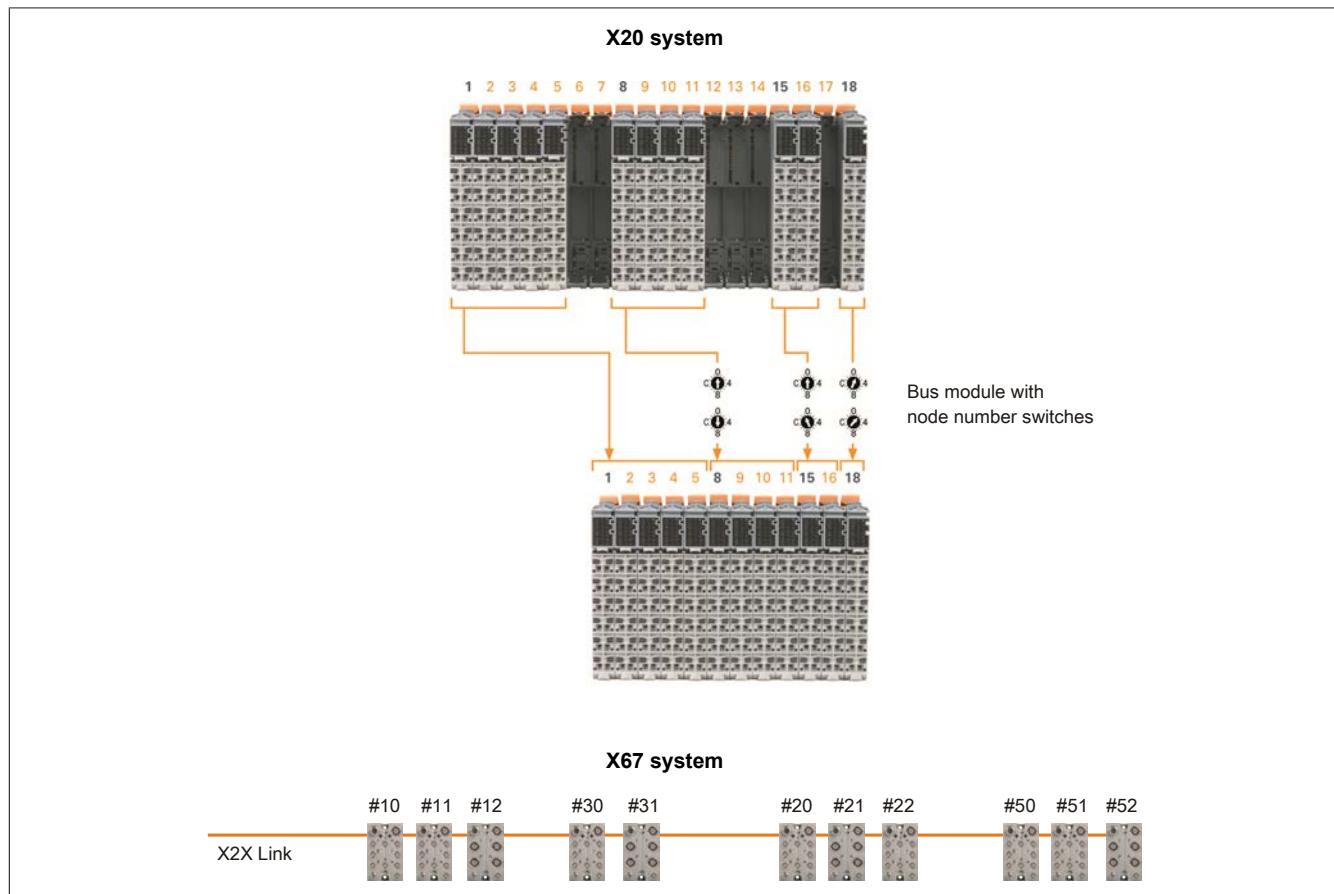


## Configurable X2X Link address

The remote X2X Link backplane, which connects the individual I/O modules with each other, is set up to be self-addressing. Because of this, it is not necessary to set the node numbers. The module address is assigned according to its position in the X2X Link line.

In certain cases, e.g. when configurations of modular machines change, it is necessary to define specific module groups at a fixed address, regardless of the preceding modules in the line.

For this purpose, there are modules in both the X20 system and the X67 system with node number switches that allow the X2X Link address to be set. All subsequent modules refer to this offset and use it automatically for addressing purposes.



# 4 Module overviews

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## 4.1 Standard modules

### 4.1.1 Module overview: Alphabetical

Order number	Module type	Description	Special functions
<a href="#">X67AI1223</a>	Analog input module	• 4 inputs, ±10 V, 12-bit converter resolution	• Configurable input filter • Open-circuit detection
<a href="#">X67AI1233</a>	Analog input module	• 4 inputs, ±10 V, 16-bit converter resolution	• Configurable input filter • Open-circuit detection
<a href="#">X67AI1323</a>	Analog input module	• 4 inputs, 0 to 20 mA or 4 to 20 mA, 12-bit converter resolution	• Configurable input filter
<a href="#">X67AI1333</a>	Analog input module	• 4 inputs, 0 to 20 mA or 4 to 20 mA, 16-bit converter resolution	• Configurable input filter
<a href="#">X67AI2744</a>	Analog input module	• 2 full-bridge strain gauge inputs, 10 V, 24-bit converter resolution	
<a href="#">X67AI4850</a>	Analog input module	• 4 potentiometer displacement gauges, 14-bit converter resolution	
<a href="#">X67AM1223</a>	Analog mixed module	• 2 analog inputs • 2 analog outputs, ±10 V, 12-bit converter resolution	• Configurable input filter • Open-circuit detection on the inputs
<a href="#">X67AM1323</a>	Analog mixed module	• 2 analog inputs • 2 analog outputs, 0 to 20 mA, 12-bit converter resolution	• Configurable input filter
<a href="#">X67AO1223</a>	Analog output module	• 4 outputs, ±10 V, 12-bit converter resolution	
<a href="#">X67AO1323</a>	Analog output module	• 4 outputs, 0 to 20 mA, 12-bit converter resolution	
<a href="#">X67AT1311</a>	Temperature input module	• 4 resistance measurement inputs, Pt100, resolution 0.01K	• 2- or 4-wire measurement
<a href="#">X67AT1322</a>	Temperature input module	• Resistance measurement inputs, Pt100, Pt1000, KTY10, KTY84, resolution 0.1 K	• 2- or 4-wire measurement
<a href="#">X67AT1402</a>	Temperature input module	• 4 thermocouple inputs, type J, K, N, R, S, resolution 0.1 K	
<a href="#">X67BC4321-10</a>	Bus controller	• 1 CANopen interface • X2X Link power supply 3 W • M8 connectors	• Integrated digital mixed module X67DM1321 • CAN bus galvanically isolated
<a href="#">X67BC4321.L08-10</a>	Bus controller	• 1 CANopen interface • X2X Link power supply 15 W • M8 connectors	• Integrated digital mixed module X67DM1321.L08 • CAN bus galvanically isolated • High-density module
<a href="#">X67BC4321.L12-10</a>	Bus controller	• 1 CANopen interface • X2X Link power supply 15 W • M12 connectors	• Integrated digital mixed module X67DM1321.L12 • CAN bus galvanically isolated • High-density module
<a href="#">X67BC5321</a>	Bus controller	• 1 DeviceNet interface • X2X Link power supply 3 W • M8 connectors	• Integrated digital mixed module X67DM1321
<a href="#">X67BC6321</a>	Bus controller	• 1 PROFIBUS DP interface • X2X Link power supply 3 W • M8 connectors	• Integrated digital mixed module X67DM1321
<a href="#">X67BC6321.L08</a>	Bus controller	• 1 PROFIBUS DP interface • X2X Link power supply 15 W • M8 connectors	• Integrated digital mixed module X67DM1321.L08 • High-density module
<a href="#">X67BC6321.L12</a>	Bus controller	• 1 PROFIBUS DP interface • X2X Link power supply 15 W • M12 connectors	• Integrated digital mixed module X67DM1321.L12 • High-density module
<a href="#">X67BC7321-1</a>	Bus controller	• 1 CAN I/O interface • X2X Link power supply 3 W • M8 connectors	• Integrated digital mixed module X67DM1321 • Extended CAN I/O functionality

Order number	Module type	Description	Special functions
<a href="#">X67BC81RT.L12</a>	Bus controller reACTION Technology module	<ul style="list-style-type: none"> <li>• 2 POWERLINK interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• 2 digital inputs, 24 VDC, &lt;1 µs</li> <li>• 3 digital inputs/outputs, 5 VDC, &lt;1 µs</li> <li>• 2 digital inputs/outputs, 24 VDC, 0.4 A, &lt;1 µs</li> <li>• 2 analog inputs ±10 V, 5 µs 200 kHz sampling frequency, 13-bit converter resolution, configurable input filter</li> <li>• 1 analog output ±10 V, 2.5 µs, 13-bit converter resolution</li> <li>• High-density module</li> </ul>
<a href="#">X67BC8321-1</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 POWERLINK interface</li> <li>• X2X Link power supply 3 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321</li> </ul>
<a href="#">X67BC8321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 POWERLINK interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BC8331</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 POWERLINK interface</li> <li>• X2X Link power supply 3 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• 8 digital inputs/outputs, 24 VDC, 2 A, configurable input filter</li> </ul>
<a href="#">X67BC8513.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• POWERLINK interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• 12 digital inputs/outputs, 24 VDC, 0.5 A, configurable input filter, 1 event counter 50 kHz</li> <li>• 1 analog input, 0 to 20 mA, 12-bit converter resolution</li> <li>• High-density module</li> </ul>
<a href="#">X67BC8513.L12-1</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 POWERLINK interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• 6 digital input channels</li> <li>• 6 digital output channels, 24 VDC, 0.5 A, propagation delay measurement</li> <li>• 1 analog input, 0 to 20 mA, 12-bit converter resolution, configurable analog input filter</li> <li>• High-density module</li> </ul>
<a href="#">X67BC8780.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• POWERLINK interface</li> <li>• 1x CAN interface</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• CAN interface with active wiring aid for 8x connections (star wiring)</li> <li>• High-density module</li> </ul>
<a href="#">X67BCD321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• EtherNet/IP interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BCD321.L12-1</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 EtherNet/IP interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors - pinning variant</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BCE321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• PROFINET interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BCG321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 EtherCAT interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BCJ321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 Modbus TCP/UDP interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67DC1198</a>	Digital counter module	<ul style="list-style-type: none"> <li>• 2x 3 inputs 5 V for SSI 1 Mbit/s or ABR 250 kHz,</li> <li>• 8 digital inputs/outputs 24 VDC, 0.1 A</li> <li>• Optionally configurable: <ul style="list-style-type: none"> <li>- 8 inputs/outputs</li> <li>- 4 AB counters, 100 kHz</li> <li>- 4 comparator outputs</li> <li>- 2 PWM outputs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Local time measurement functions</li> </ul>
<a href="#">X67DC2322</a>	Resolver module	<ul style="list-style-type: none"> <li>• 2x 14-bit resolver input BRX/BRT</li> <li>• 2 digital inputs, 24 VDC, sink</li> <li>• 2 digital outputs, 0.5 A, source</li> </ul>	
<a href="#">X67DI1371</a>	Digital input module	<ul style="list-style-type: none"> <li>• 8 inputs, 24 VDC, sink</li> </ul>	<ul style="list-style-type: none"> <li>• Input filter 1 ms</li> </ul>
<a href="#">X67DI1371.L08</a>	Digital input module	<ul style="list-style-type: none"> <li>• 16 inputs, 24 VDC, sink</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Input filter 1 ms</li> <li>• High-density module</li> </ul>
<a href="#">X67DI1371.L12</a>	Digital input module	<ul style="list-style-type: none"> <li>• 16 inputs, 24 VDC, sink</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Input filter 1 ms</li> <li>• High-density module</li> </ul>
<a href="#">X67DI1372</a>	Digital input module	<ul style="list-style-type: none"> <li>• 8 inputs, 24 VDC, source</li> </ul>	<ul style="list-style-type: none"> <li>• Input filter 1 ms</li> </ul>
<a href="#">X67DM1321</a>	Digital mixed module	<ul style="list-style-type: none"> <li>• 8 digital inputs/outputs, 24 VDC, 0.5 A</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• 2 event counters, 50 kHz</li> </ul>
<a href="#">X67DM1321.L08</a>	Digital mixed module	<ul style="list-style-type: none"> <li>• 16 digital inputs/outputs, 24 VDC, 0.5 A</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• 2 event counters, 50 kHz</li> <li>• High-density module</li> </ul>
<a href="#">X67DM1321.L12</a>	Digital mixed module	<ul style="list-style-type: none"> <li>• 16 digital inputs/outputs, 24 VDC, 0.5 A</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• 2 event counters, 50 kHz</li> <li>• High-density module</li> </ul>

## Module overviews

Order number	Module type	Description	Special functions
<a href="#">X67DM1321.L12-1</a>	Digital mixed module	<ul style="list-style-type: none"> <li>• 16 digital inputs/outputs, 24 VDC, 0.5 A</li> <li>• M12 connectors - pinning variant</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• 2 event counters, 50 kHz</li> <li>• High-density module</li> </ul>
<a href="#">X67DM9321</a>	Digital mixed module	<ul style="list-style-type: none"> <li>• 8 digital inputs/outputs, 24 VDC, 0.5 A</li> <li>• X2X Link address switch</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• 2 event counters, 50 kHz</li> </ul>
<a href="#">X67DM9321.L12</a>	Digital mixed module	<ul style="list-style-type: none"> <li>• 16 digital inputs/outputs, 24 VDC, 0.5 A</li> <li>• M12 connectors,</li> <li>• X2X Link address switch</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• 2 event counters, 50 kHz</li> <li>• High-density module</li> </ul>
<a href="#">X67DM9331.L12</a>	Digital mixed module	<ul style="list-style-type: none"> <li>• 8 digital inputs/outputs, 24 VDC, 2 A</li> <li>• M12 connectors</li> <li>• X2X Link address switch</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• Single-channel sensor/actuator power supply monitoring</li> <li>• High-density module</li> </ul>
<a href="#">X67DO1332</a>	Digital output module	<ul style="list-style-type: none"> <li>• 8 digital outputs, 24 VDC, 2 A</li> </ul>	<ul style="list-style-type: none"> <li>• Readable output status</li> </ul>
<a href="#">X67DO9332.L12</a>	Digital output module	<ul style="list-style-type: none"> <li>• 8 outputs, 24 VDC, 2 A</li> <li>• M12 connectors</li> <li>• X2X Link address switch</li> </ul>	<ul style="list-style-type: none"> <li>• Single-channel actuator power supply monitoring</li> <li>• High-density module</li> </ul>
<a href="#">X67DS438A</a>	Digital signal module	<ul style="list-style-type: none"> <li>• 4x IO-Link master V1.1, also usable as digital inputs/outputs</li> </ul>	<ul style="list-style-type: none"> <li>• 3-wire connections</li> <li>• NetTime function</li> </ul>
<a href="#">X67DV1311.L08</a>	Digital valve control module	<ul style="list-style-type: none"> <li>• 16 digital outputs, 24 VDC, 0.1 A,</li> <li>• 1 M16 connector</li> <li>• 16 digital inputs, 24 VDC, sink</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• High-density module</li> </ul>
<a href="#">X67DV1311.L12</a>	Digital valve control module	<ul style="list-style-type: none"> <li>• 16 digital outputs, 24 VDC, 0.1 A,</li> <li>• 1 M16 connector</li> <li>• 16 digital inputs, 24 VDC, sink</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• High-density module</li> </ul>
<a href="#">X67HB8880.L12</a>	Hub module	<ul style="list-style-type: none"> <li>• 8-port industrial hub (layer 2), 8 to 32 VDC</li> <li>• M12 connectors</li> </ul>	
<a href="#">X67IF1121-1</a>	Interface module	<ul style="list-style-type: none"> <li>• 1 RS232 interface</li> <li>• 1 RS422/485 interface</li> <li>• 2 digital inputs/outputs, 24 VDC, 0.5 A</li> <li>• 2 digital inputs, 24 VDC, sink</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> </ul>
<a href="#">X67MM2436</a>	PWM motor module	<ul style="list-style-type: none"> <li>• I/O power supply 24 to 38.5 VDC <math>\pm 25\%</math></li> <li>• 2 PWM motor bridges,</li> <li>• 3 A continuous current,</li> <li>• 5 A peak current</li> <li>• 2x 3 digital inputs 24 VDC, sink, configurable as incremental encoder</li> </ul>	
<a href="#">X67PS1300</a>	System supply module	<ul style="list-style-type: none"> <li>• 24 VDC</li> <li>• X2X Link power supply 15 W</li> </ul>	<ul style="list-style-type: none"> <li>• Reverse polarity protection, short-circuit proof, overload-proof, parallel connection possible, redundancy operation possible</li> </ul>
<a href="#">X67SM2436</a>	Stepper motor module	<ul style="list-style-type: none"> <li>• I/O power supply 24 to 38.5 VDC <math>\pm 25\%</math></li> <li>• 2 motor connections,</li> <li>• 3 A continuous current,</li> <li>• 5 A peak current</li> <li>• 2x 3 digital inputs 24 VDC, sink, configurable as incremental encoder</li> </ul>	<ul style="list-style-type: none"> <li>• NetTime function</li> </ul>
<a href="#">X67SM2446-1</a>	Stepper motor module	<ul style="list-style-type: none"> <li>• Module power supply 24 to 48 VDC <math>\pm 25\%</math></li> <li>• 2 motor connections,</li> <li>• 4 A continuous current,</li> <li>• 8 A peak current</li> <li>• 6 digital inputs 24 VDC, sink, configurable as incremental encoder</li> </ul>	<ul style="list-style-type: none"> <li>• Current reduction function</li> <li>• NetTime function</li> </ul>
<a href="#">X67SM4320</a>	Stepper motor module	<ul style="list-style-type: none"> <li>• I/O power supply 24 VDC <math>\pm 25\%</math></li> <li>• 4 motor connections,</li> <li>• 1 A continuous current,</li> <li>• 1.5 A peak current</li> </ul>	<ul style="list-style-type: none"> <li>• NetTime function</li> </ul>
<a href="#">X67UM1352</a>	Universal mixed module	<ul style="list-style-type: none"> <li>• 1 input for evaluation of full-bridge strain gauge, 24-bit converter resolution</li> <li>• 4 digital inputs 24 VDC, sink</li> <li>• 1 digital output, 0.5 A, source</li> <li>• 1 digital output, 1 A, source</li> </ul>	

## 4.1.2 Module overview: Grouped

### 4.1.2.1 Analog outputs

Order number	Module type	Description	Special functions
<a href="#">X67AM1223</a>	Analog mixed module	<ul style="list-style-type: none"> <li>• 2 analog inputs</li> <li>• 2 analog outputs, ±10 V, 12-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• Open-circuit detection on the inputs</li> </ul>
<a href="#">X67AM1323</a>	Analog mixed module	<ul style="list-style-type: none"> <li>• 2 analog inputs</li> <li>• 2 analog outputs, 0 to 20 mA, 12-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> </ul>
<a href="#">X67AO1223</a>	Analog output module	<ul style="list-style-type: none"> <li>• 4 outputs, ±10 V, 12-bit converter resolution</li> </ul>	
<a href="#">X67AO1323</a>	Analog output module	<ul style="list-style-type: none"> <li>• 4 outputs, 0 to 20 mA, 12-bit converter resolution</li> </ul>	

### 4.1.2.2 Analog inputs

Order number	Module type	Description	Special functions
<a href="#">X67AI1223</a>	Analog input module	<ul style="list-style-type: none"> <li>• 4 inputs, ±10 V, 12-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• Open-circuit detection</li> </ul>
<a href="#">X67AI1233</a>	Analog input module	<ul style="list-style-type: none"> <li>• 4 inputs, ±10 V, 16-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• Open-circuit detection</li> </ul>
<a href="#">X67AI1323</a>	Analog input module	<ul style="list-style-type: none"> <li>• 4 inputs, 0 to 20 mA or 4 to 20 mA, 12-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> </ul>
<a href="#">X67AI1333</a>	Analog input module	<ul style="list-style-type: none"> <li>• 4 inputs, 0 to 20 mA or 4 to 20 mA, 16-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> </ul>
<a href="#">X67AI2744</a>	Analog input module	<ul style="list-style-type: none"> <li>• 2 full-bridge strain gauge inputs, 10 V, 24-bit converter resolution</li> </ul>	
<a href="#">X67AI4850</a>	Analog input module	<ul style="list-style-type: none"> <li>• 4 potentiometer displacement gauges, 14-bit converter resolution</li> </ul>	
<a href="#">X67AM1223</a>	Analog mixed module	<ul style="list-style-type: none"> <li>• 2 analog inputs</li> <li>• 2 analog outputs, ±10 V, 12-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• Open-circuit detection on the inputs</li> </ul>
<a href="#">X67AM1323</a>	Analog mixed module	<ul style="list-style-type: none"> <li>• 2 analog inputs</li> <li>• 2 analog outputs, 0 to 20 mA, 12-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> </ul>
<a href="#">X67UM1352</a>	Universal mixed module	<ul style="list-style-type: none"> <li>• 1 input for evaluation of full-bridge strain gauge, 24-bit converter resolution</li> <li>• 4 digital inputs 24 VDC, sink</li> <li>• 1 digital output, 0.5 A, source</li> <li>• 1 digital output, 1 A, source</li> </ul>	

### 4.1.2.3 Analog mixed modules

Order number	Module type	Description	Special functions
<a href="#">X67AM1223</a>	Analog mixed module	<ul style="list-style-type: none"> <li>• 2 analog inputs</li> <li>• 2 analog outputs, ±10 V, 12-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> <li>• Open-circuit detection on the inputs</li> </ul>
<a href="#">X67AM1323</a>	Analog mixed module	<ul style="list-style-type: none"> <li>• 2 analog inputs</li> <li>• 2 analog outputs, 0 to 20 mA, 12-bit converter resolution</li> </ul>	<ul style="list-style-type: none"> <li>• Configurable input filter</li> </ul>

### 4.1.2.4 Bus controller

Order number	Module type	Description	Special functions
<a href="#">X67BC4321-10</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 CANopen interface</li> <li>• X2X Link power supply 3 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321</li> <li>• CAN bus galvanically isolated</li> </ul>
<a href="#">X67BC4321.L08-10</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 CANopen interface</li> <li>• X2X Link power supply 15 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L08</li> <li>• CAN bus galvanically isolated</li> <li>• High-density module</li> </ul>
<a href="#">X67BC4321.L12-10</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 CANopen interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• CAN bus galvanically isolated</li> <li>• High-density module</li> </ul>
<a href="#">X67BC5321</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 DeviceNet interface</li> <li>• X2X Link power supply 3 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321</li> </ul>

## Module overviews

Order number	Module type	Description	Special functions
<a href="#">X67BC6321</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 PROFIBUS DP interface</li> <li>• X2X Link power supply 3 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321</li> </ul>
<a href="#">X67BC6321.L08</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 PROFIBUS DP interface</li> <li>• X2X Link power supply 15 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L08</li> <li>• High-density module</li> </ul>
<a href="#">X67BC6321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 PROFIBUS DP interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BC7321-1</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 CAN I/O interface</li> <li>• X2X Link power supply 3 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321</li> <li>• Extended CAN I/O functionality</li> </ul>
<a href="#">X67BC81RTL12</a>	Bus controller reACTION Technology module	<ul style="list-style-type: none"> <li>• 2 POWERLINK interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• 2 digital inputs, 24 VDC, &lt;1 µs,</li> <li>• 3 digital inputs/outputs, 5 VDC, &lt;1 µs</li> <li>• 2 digital inputs/outputs, 24 VDC, 0.4 A, &lt;1 µs</li> <li>• 2 analog inputs ±10 V, 5 µs 200 kHz sampling frequency, 13-bit converter resolution, configurable input filter</li> <li>• 1 analog output ±10 V, 2.5 µs, 13-bit converter resolution</li> <li>• High-density module</li> </ul>
<a href="#">X67BC8321-1</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 POWERLINK interface</li> <li>• X2X Link power supply 3 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321</li> </ul>
<a href="#">X67BC8321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 POWERLINK interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BC8331</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 POWERLINK interface</li> <li>• X2X Link power supply 3 W</li> <li>• M8 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• 8 digital inputs/outputs, 24 VDC, 2 A, configurable input filter</li> </ul>
<a href="#">X67BC8513.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• POWERLINK interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• 12 digital inputs/outputs, 24 VDC, 0.5 A, configurable input filter, 1 event counter 50 kHz</li> <li>• 1 analog input, 0 to 20 mA, 12-bit converter resolution</li> <li>• High-density module</li> </ul>
<a href="#">X67BC8513.L12-1</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 POWERLINK interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• 6 digital input channels</li> <li>• 6 digital output channels, 24 VDC, 0.5 A, propagation delay measurement</li> <li>• 1 analog input, 0 to 20 mA, 12-bit converter resolution, configurable analog input filter</li> <li>• High-density module</li> </ul>
<a href="#">X67BC8780.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• POWERLINK interface</li> <li>• 1x CAN interface</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• CAN interface with active wiring aid for 8x connections (star wiring)</li> <li>• High-density module</li> </ul>
<a href="#">X67BCD321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• EtherNet/IP interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BCD321.L12-1</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 EtherNet/IP interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors - pinning variant</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BCE321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 PROFINET interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BCG321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 EtherCAT interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67BCJ321.L12</a>	Bus controller	<ul style="list-style-type: none"> <li>• 1 Modbus TCP/UDP interface</li> <li>• X2X Link power supply 15 W</li> <li>• M12 connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated digital mixed module X67DM1321.L12</li> <li>• High-density module</li> </ul>
<a href="#">X67HB8880.L12</a>	Hub module	<ul style="list-style-type: none"> <li>• 8-port industrial hub (layer 2), 8 to 32 VDC</li> <li>• M12 connectors</li> </ul>	