

Ixxat 1 SI CANopen

Item number: 020570-B

The Ixxat 1 SI CANopen is a compact module for SIMATIC ET200S modular I/O systems, offering an easy and cost-effective way to connect CANopen devices. It enables seamless integration and control of CAN/CANopen networks via PROFIBUS or PROFINET, without extra gateways, facilitating the expansion of automation systems and increasing their efficiency.



Plug-in CANopen module for SIMATIC[®] ET200S systems

Features and benefits

✓ **CANopen connectivity for the SIMATIC ET200S system**

The Ixxat 1 SI CANopen seamlessly integrates CANopen devices with SIMATIC ET200S systems, enabling smooth interaction between PROFIBUS or PROFINET controllers and CAN/CANopen fieldbus devices.

✓ **Real-time communication**

The isochronous operation mode supports efficient real-time communication, which is essential for time-sensitive applications.

✓ **Simplified configuration**

Uncomplicated configuration thanks to integration into the hardware catalogue of the SIMATIC STEP 7 or TIA Portal configuration environment.

✓ **Wide-ranging module support**

The Ixxat 1 SI CANopen module is supported by all interface and CPU modules of the SIMATIC ET200S modular I/O system, with the exception of the Basic and Compact versions.

✓ **Cost-effective system expansion**

With the possibility to connect up to 126 CANopen responder nodes in commander mode, the module offers scalable system expansion without significant cost increase.

✓ **Hot-swapping capability**

The Ixxat 1 SI CANopen module can be smoothly replaced during operation without system shutdown, minimizing downtimes.

✓ **Support for transparent CAN 2.0A protocols**

Supports transparent CAN 2.0A for custom protocol implementation and enhancing PLC programming efficiency with ready-made function blocks available in the SIMATIC STEP 7 portal.



General	
Net Width (mm)	15
Net Height (mm)	81
Net Depth (mm)	52
Net Weight (g)	33
Packed Width (mm)	14
Packed Height (mm)	6
Packed Depth (mm)	18
Packed Weight (g)	118
Operating Temperature °C Min	0
Operating Temperature °C Max	60
Storage Temperature °C Min	-40
Storage Temperature °C Max	70
Relative Humidity	5 to 95 %, non-condensing
Current Consumption Type Value at Vcc Nom (mA)	33 mA (24 V DC)
Input Voltage (V)	24 V DC +20/-15%
Isolation	Galvanic isolation on sub-network interface
Configuration	The Ixxat 1 SI CANopen module is integrated into the SIMATIC STEP 7 or TIA Portal and offers easy network configuration through the Anybus Configuration Manager - CANopen tool. The configuration can be uploaded and stored in the PROFIBUS or PROFINET PLC or the ET200S I/O system CPU, with the option to hot-swap 1 SI CANopen modules while the ET200S is powered.
Content of Delivery	1 SI CANopen module, user manual, available as download: Anybus Configuration Manager - CANopen, function blocks, configuration files
Mounting	DIN rail mount (bracket included)



General

Housing Materials	Plastic
Packaging Material	Cardboard

Identification and Status

Product ID	020570-B
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	plug-in module
Contains Battery	No

CAN Features

CAN Mode	Transparent CAN 2.0A mode
CAN Baud Rate	20 kBit/s to 1 Mbit/s

CANopen Features

CANopen Supported Functionality	Connects max. 126 CANopen responder nodes per module in commander mode
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Certifications and Standards

Protection Class IP	IP20
ETIM Classification	EC001604
CE	Yes
UL	Yes
TELEC	No
WEEE Category	IT and telecommunications equipment