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BACnet Testing Labs Product Listing

This product has been tested at the BACnet Testing Labs and found to comply with all the necessary interoperability requirements in place on the published test date. This listing represents the tested capability of the Listed Product. For information on additional functionality that was not covered in the test process, refer to the Manufacturer's PICS statement on the BI website.

Listing Information (BTL-30069)

Vendor Beckhoff Automation GmbH Eiserstraße 5 33415 Verl Germany		Listing Status Listed Product
Test Requirements Requirements as of August 2012	BACnet Protocol Revision Revision 12 (135-2010)	Date Tested March 2014

Product Name TwinCAT BACnet/IP	Model Number CX8091, CX9020, CX5010, CX5020	Software Version 2.0.2.2
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Device Profiles

Profile BACnet Building Controller (B-BC)	Model Numbers All models
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BIBBs Supported

Data Sharing	ReadProperty-A	DS-RP-A
	ReadProperty-B	DS-RP-B
	ReadPropertyMultiple-A	DS-RPM-A
	ReadPropertyMultiple-B	DS-RPM-B
	WriteProperty-A	DS-WP-A
	WriteProperty-B	DS-WP-B
	WritePropertyMultiple-B	DS-WPM-B
	COV-A	DS-COV-A
	COV-B	DS-COV-B

Alarm and Event Notification	Notification Internal-B	AE-N-I-B
	ACK-B	AE-ACK-B
	Alarm Summary-B	AE-ASUM-B
	Enrollment Summary-B	AE-ESUM-B
	Information B	AE-INFO-B

Scheduling	Internal-B	SCHED-I-B
	External-B	SCHED-E-B

Trending	Viewing and Modifying Trends-Internal-B	T-VMT-I-B
	Viewing and Modifying Trends-External-B	T-VMT-E-B
	Automated Trend Retrieval-B	T-ATR-B

Device and Network Management	Dynamic Device Binding-A	DM-DDB-A
	Dynamic Device Binding-B	DM-DDB-B
	Dynamic Object Binding-B	DM-DOB-B
	DeviceCommunicationControl-B	DM-DCC-B
	TimeSynchronization-B	DM-TS-B
	UTCTimeSynchronization-A	DM-UTC-A
	UTCTimeSynchronization-B	DM-UTC-B
	ReinitializeDevice-B	DM-RD-B
	Backup and Restore-B	DM-BR-B
	List Manipulation-B	DM-LM-B
	Object Creation and Deletion-B	DM-OCD-B

Object Type Support

Analog Input	Analog Output	Analog Value
Binary Input	Binary Output	Binary Value
Calendar	Command	Device
File	Group	Loop
Multi-State Input	Multi-State Output	Multi-State Value
Notification Class		
Program	Schedule	Trend Log

Data Link Layer Options

Media	Options
BACnet IP (Annex J)	BBMD, Register as a Foreign Device

Networking Options

Networking Functionality	Media
Annex J BBMD	BACnet/IP

Character Set Support

ANSI X3.4
