



**Compact PLC, 24 V DC, ethernet, RS232, RS485, PROFIBUS DP**



**Part no.** XC-152-D8-11  
**Catalog No.** 167849  
**Alternate Catalog No.** XC-152-D8-11  
**No.**  
**EL-Nummer (Norway)** 0004560848


Similar to illustration

**Delivery program**

Function			Additional field bus interfaces Web-server OPC Server Remote Server
Operating system			Windows CE 5.0 (licence incl.)
PLC-licence			CoDeSys Runtime (licence inclusive)
Integrated Web server			yes
Built-in interfaces			1 x Ethernet 10/100 Mbps 1 x USB device 2.0 1 x USB host 2.0 1 x RS232 1 x RS485 1 x PROFIBUS/MPI
Slots			for SD card: 1
<b>Memory</b>			
Application/marker/retain data			64 MB/4 KB/32 KB

**Technical data**

**General**

Standards			EN 61131, UL 508
Approvals			CE, cULus EAC
shipping classification			DNV GL
			
Ambient temperature		°C	0 - +55
Storage	θ	°C	-20 - +60
Degree of Protection			IP20
Battery (service life)			non-replaceable, BR2330 soldered in
Weight		kg	0.46

**Power supply**

Supply voltage		V DC	24
Permissible range	$U_e$		20.4 - 28.8 V DC
Maximum power loss	$P_v$	W	8.5
Note on heat dissipation			Heat dissipation with power consumption for 24 V 6 W for basic device + 2.5 W for USB module

**CPU**

Processor			RISC CPU, 32 Bit, 400 MHz
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**Memory**

Program code/program data			64MB
Cycle time for 1 k of instructions (Bit, Byte)		ms	Normally 0.04

**Interfaces**

<b>Basic interfaces</b>			
Ethernet			
Profile			FTP

			SMTP HTTP TCP UDP IP
Data transfer rate		MBit/s	100Base-TX 10Base-T
Potential isolation			500 V <sub>r.m.s.</sub>
Programming interface			yes
Connections			RJ45
USB			
USB Host			USB 2.0
Potential isolation			None
USB device			USB 2.0
Potential isolation			None
additional interfaces			
PROFIBUS			
			✓
Profile			DP V1 MPI (Master)
Data transfer rate		kbit/s	max. 1500
Potential isolation			None
Module		Count	126
Connections			9-pin D-sub (socket)
CAN			
			–
SmartWire-DT			
			–
RS485			
			✓
Data transfer rate		kbit/s	max. 57.6
Potential isolation			None
Connections			9-pin D-sub (plug)
RS232			
			✓
Data transfer rate		kbit/s	max. 57.6
Potential isolation			None
Connections			9-pin D-sub (plug)
RTC (real-time clock)			yes

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	A	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	6
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	0
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES		Meets the product standard's requirements.
10.4 Clearances and creepage distances		Meets the product standard's requirements.
10.5 Protection against electric shock		Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components		Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections		Is the panel builder's responsibility.
10.8 Connections for external conductors		Is the panel builder's responsibility.
10.9 Insulation properties		
10.9.2 Power-frequency electric strength		Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material		Is the panel builder's responsibility.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

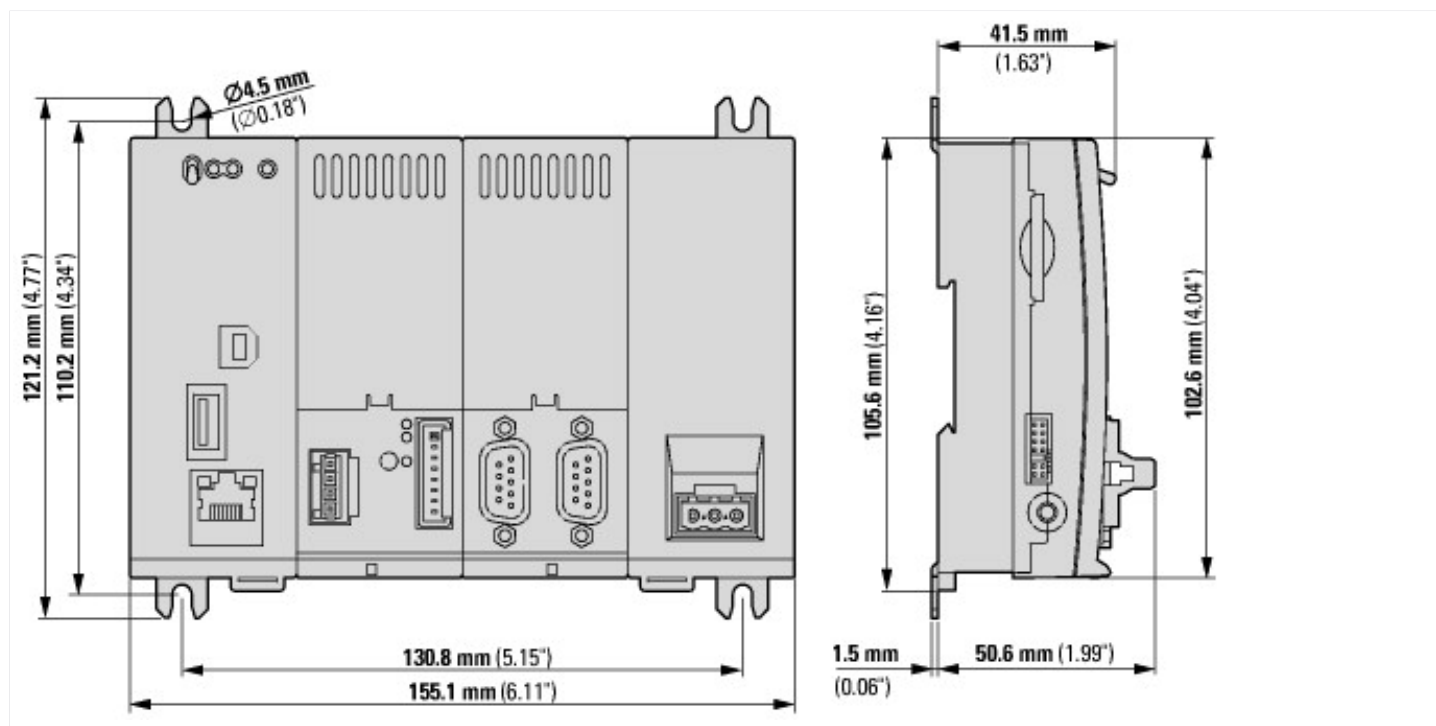
## Technical data ETIM 7.0

PLC's (EG000024) / PLC device set (EC002581)		
Electric engineering, automation, process control engineering / Control / Programmable logic control (SPS) / PLC device set (ecl@ss10.0.1-27-24-22-19 [BAA707013])		
Contains function building blocks		Yes
Contains basic device		Yes
Contains module rack		No
Contains power supply		Yes
Contains analogue input module		No
Contains analogue output module		No
Contains digital input module		No
Contains digital output module		No
Contains function module		Yes
Contains technology module		Yes
Contains communication module		Yes
Contains memory unit		Yes
Contains simulation module		No
Contains connection cable		No
Contains control unit		No
Contains monitor		No
Contains programming software		No
Contains engineering software		Yes
Contains visualization		Yes
Contains libraries		Yes
Contains documentation		Yes
Contains other components		Yes
Software preinstalled		No

## Approvals

Product Standards		UL508, cULus; IEC/EN 61131-2, CE
UL File No.		E205091
UL Category Control No.		NRAQ
CSA File No.		UL report applies to US and Canada
CSA Class No.		-
North America Certification		UL listed, certified by UL for use in Canada
Degree of Protection		IEC:IP20, UL/CSA Tape: open type

## Dimensions



## Assets (links)

### Declaration of CE Conformity

00002507

### Instruction Leaflets

IL05003006Z2018\_02

### Manuals

MN050001ZU\_DE (German)

MN050001ZU\_EN (English)

MN05003007Z-DE (German)

MN05003007Z-EN (English)

## Additional product information (links)

### Instruction leaflet "XC-152 compact PLC" IL05003006Z

Instruction leaflet "XC-152 compact PLC" [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL05003006Z2018\\_02.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05003006Z2018_02.pdf)  
IL05003006Z

### MN050001ZU Operator manual XC-152 compact PLC

MN050001ZU Bedienerhandbuch XC-152 [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN050001ZU\\_DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN050001ZU_DE.pdf)  
Kompakt-SPS - Deutsch

MN050001ZU Operator manual XC-152 compact [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN050001ZU\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN050001ZU_EN.pdf)  
PLC - English

### User manual XSoft-CoDeSys-2, SPS programming XC152 MN05003007Z

Benutzerhandbuch XSoft-CoDeSys-2, SPS- [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05003007Z-DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05003007Z-DE.pdf)  
Programmierung XC152 MN05003007Z - Deutsch

Benutzerhandbuch XSoft-CoDeSys-2, SPS- [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05003007Z\\_DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05003007Z_DE.pdf)  
Programmierung XC152 MN05003007Z - Deutsch

User manual XSoft-CoDeSys-2, SPS [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05003007Z-EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05003007Z-EN.pdf)  
programming XC152 MN05003007Z - English

User manual XSoft-CoDeSys-2, SPS [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05003007Z\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05003007Z_EN.pdf)  
programming XC152 MN05003007Z - English

### Manual XSOFT-CODESYS-3, SPS programming MN048008ZU

Handbuch XSOFT-CODESYS-3, SPS- [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN048008ZU\\_DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN048008ZU_DE.pdf)  
Programmierung MN048008ZU - Deutsch

Manual XSOFT-CODESYS-3, SPS programming [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN048008ZU\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN048008ZU_EN.pdf)  
MN048008ZU - English

### System description, Windows CE MN05010007Z

Systembeschreibung, Windows CE [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05010007Z\\_DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05010007Z_DE.pdf)  
MN05010007Z - Deutsch

System description, Windows CE MN05010007Z [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN05010007Z\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05010007Z_EN.pdf)  
- English

f1=1454&f2=1242&f3=1773;Download Software GALILEO <http://applications.eaton.eu/sdlc?LX=11&f1=1454&f2=1242&f3=1773>

Product overview (WEB) <http://www.eaton.eu/xc152>