DATASHEET - XC-152-D8-11

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

Part no. XC-152-D8-11
167849

EL Number (Norway) 4560848

Product name	Eaton XC Compact PLC
Part no.	XC-152-D8-11
EAN	4015081644247
Product Length/Depth	50.6 millimetre
Product height	102.6 millimetre
Product width	155 millimetre
Product weight	0.29 kilogram
Certifications	EN 61131 UL File No.: E205091 UL Category Control No.: NRAQ UL 508 Certified by UL for use in Canada UL508 CULus CSA Class No.: none DNV GL UL CSA File No.: UL report applies to both US and Canada CE IEC/EN 61131-2, CE
Product Tradename	XC
Product Type	Compact PLC
Product Sub Type	None
Catalog Notes	CoDeSys Runtime (license inclusive)
Features	Integrated Web server
Fitted with:	Memory unit Visualization Other components Real time clock Technology module Engineering software Programming interface Documentation Communication module Libraries Power supply Function module Basic device
Functions	Web-server Additional field bus interfaces Remote Server Building blocks OPC Server
Processor	RISC CPU, 32 Bit, 400 MHz
Battery runtime	10 years typ.
Degree of protection	IP20
Memory capacity	64 MegaByte/4 kByte/32 kByte (Application/marker/retain data)
Operating system	Windows CE 5.0 (license included)
Power loss	Max. 8.5 W
Rated operational voltage	20.4 - 28.8 V DC
Supply voltage at DC - max	24 V DC
Ambient operating temperature - min	0 °C
Ambient operating temperature - max	55 °C
Ambient storage temperature - min	-20 °C
Ambient storage temperature - max	60 °C

Connection to SmartWire-DT	No
Connection type	RS485: SUB-D, 9-pole (plug) PROFIBUS: SUB-D socket, 9-pole RS232: SUB-D, 9-pole (plug) Ethernet: RJ45 plug, 8-pole
Cycle time	< 0.04 ms, for 1 k of instructions (Bit, Byte), memory
Data transfer rate	1500 kBit/s, PROFIBUS-DP 57.6 kBit/s, RS232 57.6 kBit/s, RS485 100Base-TX, Ethernet 10Base-T, Ethernet
Interfaces	1 x USB host 2.0 (built-in) 1 x RS232 (built-in) USB 2.0 (Host) 1 x USB device 2.0 (built-in) 1 x RS485 (built-in) USB 2.0 PROFIBUS RS232 1 x PROFIBUS/MPI (built-in) 1 x Ethernet 10/100 Mbps (built-in) RS485
Memory	64 MByte Program memory code
Number of modules	126 (PROFIBUS)
Number of slots	1 (for SD-Card)
Protocol	TCP (basic interface) UDP (basic interface) DP V1 (additional interface) FTP (basic interface) HTTP (basic interface) MPI - Master (additional interface) SMTP (basic interface) IP (basic interface)
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In)	0 A
Static heat dissipation, non-current-dependent Pvs	6 W
Heat dissipation details	6 W for basic device + 2.5 W for USB module With power consumption for 24 V
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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 8.0

Programmable logic controllers PLC (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

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