DATASHEET - XC-152-D6-11

Compact PLC, 24 V DC, ethernet, RS232, RS485, CAN

Part no.	**XC-152-D6-11**
	167855
EL Number (Norway)	**4560850**

Product name		Eaton XC Compact PLC
Part no.		XC-152-D6-11
EAN		4015081644308
Product Length/Depth		50.6 millimetre
Product height		102.6 millimetre
Product width		155 millimetre
Product weight		0.29 kilogram
Certifications		UL Category Control No.: NRAQ
		CSA Class No.: none
		CULus
		CE
		UL 508
		EN 61131
		UL File No.: E205091
		DNV GL
		UL
		IEC/EN 61131-2, CE
		UL508
		CSA File No.: UL report applies to both US and Canada
		Certified by UL for use in Canada
Product Tradename		XC
Product Type		Compact PLC
Product Sub Type		None
Catalog Notes		CoDeSys Runtime (license inclusive)
Features		Integrated Web server
Fitted with:		Libraries
		Engineering software
		Visualization
		Documentation
		Programming interface
		Real time clock
		Basic device
		Power supply
		Communication module
		Technology module
		Memory unit
		Function module
		Other components
Functions		Building blocks
		Web-server
		Additional field bus interfaces
		OPC Server
		Remote 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
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			Ethernet: RJ45 plug, 8-pole CAN: 9-pole SUB-D (plug) RS232: SUB-D, 9-pole (plug)
Cycle time			< 0.04 ms, for 1 k of instructions (Bit, Byte), memory
Data transfer rate			1000 kBit/s, CAN 57.6 kBit/s, RS232 57.6 kBit/s, RS485 100Base-TX, Ethernet 10Base-T, Ethernet
Interfaces			RS232 1 x USB host 2.0 (built-in) USB 2.0 1 x RS485 (built-in) 1 x CANopen®/easyNet (built-in) CAN 1 x RS232 (built-in) 1 x Ethernet 10/100 Mbps (built-in) 1 x USB device 2.0 (built-in) USB 2.0 (Host)
Memory			64 MByte Program memory code
Number of modules			127 (CAN)
Number of slots			1 (for SD-Card)
Protocol			UDP (basic interface) TCP (basic interface) FTP (basic interface) HTTP (basic interface) IP (basic interface) CANopen® (additional interface) SMTP (basic interface) easyNet - Master/Device (additional 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