

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



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

| General specifications | | |
|--|--|--|
| 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 & Functions | | |
| 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 |
| General information | | |
| 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 |
| Climatic environmental conditions | | |
| Ambient operating temperature - min | | 0 °C |
| Ambient operating temperature - max | | 55 °C |
| Ambient storage temperature - min | | -20 °C |
| Ambient storage temperature - max | | 60 °C |

| Communication | | |
|--|--|--|
| 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) |
| Design verification | | |
| Equipment heat dissipation, current-dependent Pvid | | 0 W |
| Heat dissipation capacity Pdis | | 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 9.0

Programmable logic controllers PLC (EG000024) / PLC device set (EC002581)

Electric engineering, automation, process control engineering / Control, Process Control System (PCS) / Programmable logic control (SPS) / PLC device set (ecl@ss13-27-24-22-19 [BAA707018])

| | | | |
|-----------------------------------|--|--|-----|
| 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 |