



S200L I/O and I/O 200C Hardware

Power and productivity
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Terminology

The following is a list of terms associated with S200L I/O and I/O 200C that you should be familiar with. The list contains terms and abbreviations that are unique to ABB or have a usage or definition that is different from standard industry usage.

Term	Description
AC 800	Family of controllers such as AC 800C and AC 800M
AC 250	Advant Controller 250
Central I/O	Input/output modules mounted in the same cabinet as the controller and connected via the serial I/O bus
CB	Control Builder, a software tool for configuration and programming of AC 800 controllers
Controller	Computer-based unit for digital and/or analog control
DIN	German industrial standards (Deutsche Industrienormen)
EMC	Electromagnetic compatibility
EN	European standards
Ethernet	Network cabling system according to IEEE 802.3
Fieldbus	Databus for communication between industrial field devices such as sensors, actuators and controllers
FOUNDATION Fieldbus	Fieldbus standard based on IEC 1158-2
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronic Engineers
OCS	Open control system
On-board system	System with the components placed on the motherboard
PELV	Protected extra low voltage (power supply)
PM210	Basic hardware unit of AC 800C
PNO	PROFIBUS user organization (PROFIBUS Nutzerorganisation)
PROFIBUS-DP	Fieldbus standard according to EN 50170

Term	Description
Remote I/O	Input/output modules connected to the controller via a fieldbus
RS-232	Point-to-point serial data transmission standard
RTC	Real time clock
SELV	Safety extra low voltage (power supply)

Applicable Specifications

European Union Directive Compliance

Units mentioned in this document for which product or packing is marked with the  logo comply with the electromagnetic compatibility directive 89/336/EEC and the low-voltage directive 73/23/EEC. See [Appendix E, Directive Considerations](#) on page 117.

UL Listing

Units mentioned in this document are UL listed if product or packing is marked with the UL logo.  indicates UL approval for the USA, and  also for Canada. The logo  indicates UL approval for Canada only.

The applied standard is UL508, Industrial Control Equipment. Units approved for use in hazardous locations also comply with the standard UL1604. To fulfill the UL requirements for hazardous locations, the instructions in [Appendix D, Standards](#) on page 113 must be followed.

CSA Certification

Units mentioned in this document are CSA certified if product or packing is marked with the  logo. The applied standard is C22.2, No. 142-M1987.

Units approved for use in hazardous locations also comply with the standard C22.2, No. 213-M1987. To fulfill the CSA requirements for hazardous locations, the instructions in [Appendix D, Standards](#) on page 113 must be followed.

Product Release History

This manual describes the current hardware facilities and options of S200L I/O and I/O 200C. Note that you can only use the facilities permitted according to your software license.

The S200L I/O and I/O 200C family has been allocated a version number starting at 1.0. This version number is required to keep together the configuration of all units and components belonging to the S200L I/O and I/O 200C family, and will act as a reference in the future between different documents. As the S200L I/O and I/O 200C family grows in future releases, the version number will increase accordingly.

Version	Description
1.0	Initial S200L I/O release.
1.1	200-AENTR is added and S200L I/O and I/O 200C families are explained together.
