Compact 800 5.1
Product Catalog

Power and productivity
for a better world™

ABB

Content

The only control products you need for your automation applications

Compact 800 is a family of products that can be used individually or combined to create cost-effective control solutions to fulfill a wide range of user needs.

Compact 800 includes the following:

– A full-featured, application-ready Human Machine Interface (HMI)
– A stunning new series of tough, high-resolution operator panels for interaction with control applications
– Scalable process PLCs with choice of speed, memory and availability
– Engineering software with easily extended, reusable libraries and six programming languages
– Comprehensive and robust I/O modules with easy and space-saving installation

Control a wide range of applications
The products work individually or in combination, smoothly controlling a broad spectrum of industrial applications.

All components are built with openness in mind. All are based on standards that ensure they can be operated with other control and PLC products on the automation market.

Compact 800 – the simple and cost-effective way to improve production, maximize availability and minimize maintenance.

Compact 800 topology
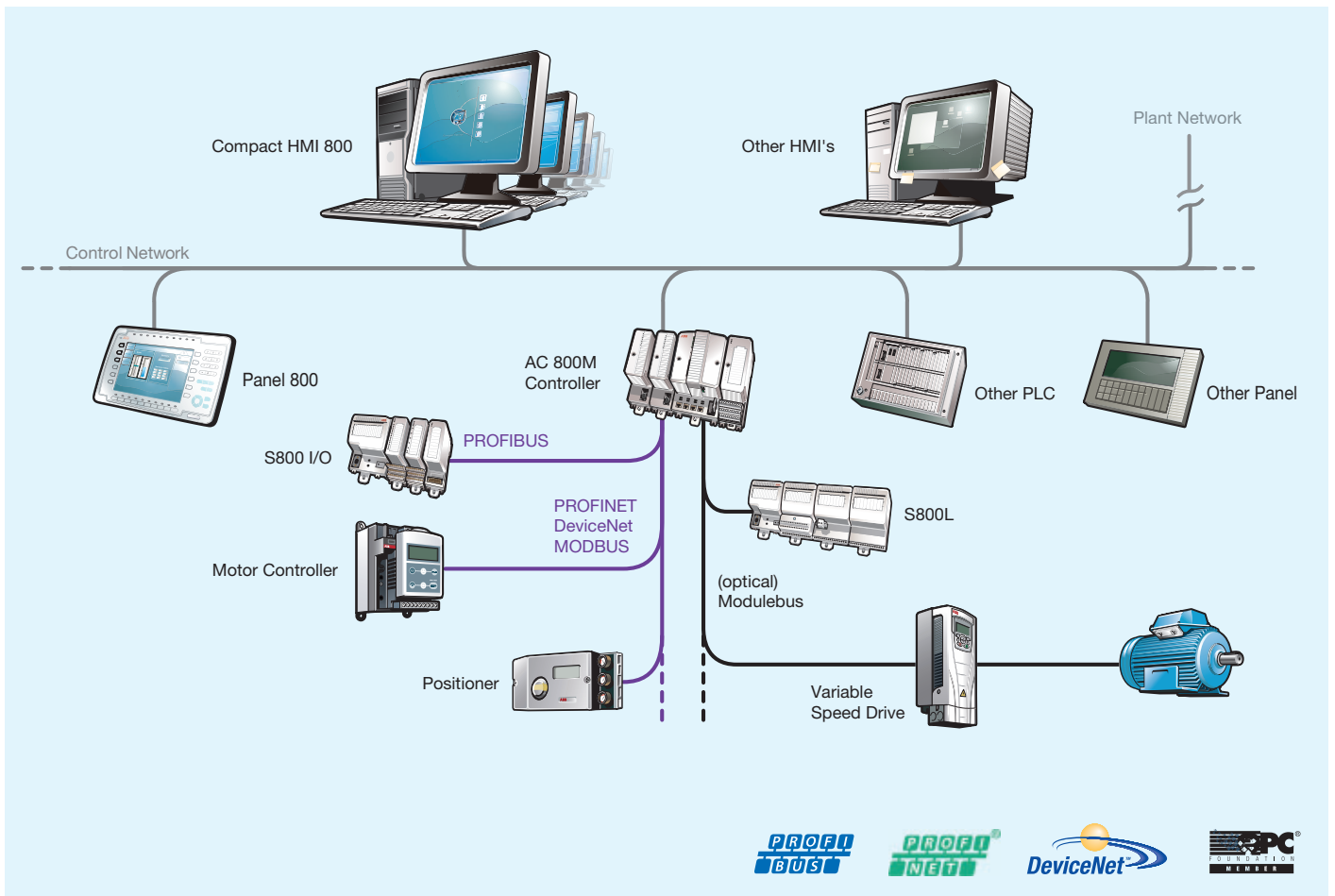
Compact 800 is a family of products that are suitable to be used individually or combined to fulfill any automation need. The AC 800M process PLC can be connected to the field using the S800L or S800 I/O systems or be combined with any PROFIBUS based I/O system on the market. The Compact HMI 800 can be used together with the AC 800M or with any other process PLC or equipment on the market. The communication uses e.g. the powerful features of the OPC standard. The Panel 800 is a panel HMI suitable for local plant floor operation or for machine level applications. Panel 800 connects to a very wide range of PLCs and equipment via the wide range of built in drivers.

When using Compact 800 there are multiple communication options:
– Ethernet
– OPC
– PROFIBUS
– MODBUS RTU, TCP
– ABB's; Modulebus, MB300, SattBus, COMLI,...

Redundancy is available in all critical areas of the AC 800M process PLC and I/O subsystem. These include control networks, field buses, internal buses, power supplies, CPUs and I/O.

Compact HMI 800 can be connected to AC 800M or third-party PLC-type controllers. It enables the remote connection of controllers and PLCs in single as well as in redundant systems. Combine all parts of Compact 800 and get some additional advantages like integrated alarm handling, or use one part and integrate it with a third-party product.

Compact HMI 800 5.1

The Compact HMI 800 minimizes the effort involved in handling HMIs for PLCs and other types of controllers, from operations, maintenance and engineering perspectives. With the new Compact HMI 800 easy installation, you can start working with signal handling and graphics within approximately 30 minutes.

As you connect your clients to the network they are ready to be used as Operator Workplaces. Your Operators benefits from the one click to information access when requiring additional information in any area of interest. Scheduled backups on a separate disc remove your worries about securing your data.

Compact HMI 800 is designed to the Windows standard of interaction, supplemented with an information-centric object structure, reflecting the information in the factory or plant.

Equipment in the plant is available in the system with all its associated information, be it operational status information, technical specifications, drawings, alarm lists, trends, faceplates, tag data sheets, reports, etc.

PLC's are normally connected to Compact HMI 800 via OPC technology. Since the HMI system has a built-in OPC client, finding and connecting the PLC tags and properties is a simple and fast process. For larger configurations however, the built-in, Excel-based, Bulk Data Manager is recommended for efficiency's sake.

Compact HMI 800 supports all OPC servers on the market, meaning that any encapsulated PLC driver with an OPC interface can be connected. Connection to ABB's AC 800M process PLCs is particularly easy thanks to the inclusion of the Compact Control Builder.

Compact HMI 800 5.1

Compact HMI 800 Base System

One combined Operator and Engineering Workplace, Aspect Server, Plant Explorer, Softpoint Server, Scheduler, Audit trail, Reports, Digital Signature, Primary History Logs, PLC Connect, PLC Connect Dial-Up, Compact Control Builder AC 800M, OPC Server AC 800M and Graphics Builder. Including: Compact HMI 800 Version 5.1, User Instructions on media, Installation Instructions, and Mouse Pad.

	Article no.	
HMI Operator and Engineering Workplace - Server	3BSE062160R510	

Signal Additions

(Total max 10.000)

	Article no.	
50 Signals	3BSE064066R50	
500 Signals	3BSE064066R500	
2500 Signals	3BSE064066R2500	

HMI System Options

Alarm Analysis and Alarm Shelving.

	Article no.	
Alarm Management	3BSE064069R1	

HMI Operator Workplace Clients

One Operator Workplace, Process Graphics, Alarm and events, Trends, Reports.
Note: It is possible to have up to 10 workplaces of any type in total.

	Article no.	
HMI Operator Workplace Client - 200 Signals	3BSE064068R200	
HMI Operator Workplace Client - 500 Signals	3BSE064068R500	
HMI Operator Workplace Client - 1000 Signals	3BSE064068R1000	
HMI Operator Workplace Client - 2000 Signals	3BSE064068R2000	
HMI Operator Workplace Client - 5000 Signals	3BSE064068R5000	
HMI Operator Workplace Client - 10000 Signals	3BSE064068R5001	

HMI Operator Workplace Remote Clients

One Operator Workplace, Process Graphics, Alarm and events, Trends, Reports.
Note: It is possible to have up to 10 workplaces of any type in total.

	Article no.	
HMI Operator Workplace Remote Client - 200 Signals	3BSE064070R200	
HMI Operator Workplace Remote Client - 500 Signals	3BSE064070R500	
HMI Operator Workplace Remote Client - 1000 Signals	3BSE064070R1000	
HMI Operator Workplace Remote Client - 2000 Signals	3BSE064070R2000	
HMI Operator Workplace Remote Client - 5000 Signals	3BSE064070R5000	
HMI Operator Workplace Remote Client - 10000 Signals	3BSE064070R5001	

Compact HMI 800 5.1

User Documentation

	Article no.	
Compact HMI 800 5.1 Getting Started	3BSE040587-510	

Media and Dongles

	Article no.	
Compact HMI 800 5.1 DVD media only, latest revision. Including: Compact HMI 800 5.1 DVD.	3BSE061477R510	
Dongle for USB Port	3BSE064644R1	
RAINBOW SuperPro Dongle for Parallel Port	3BSE034585R1	

Compact HMI 800 5.1 Expansion

Signal Additions

(Total max 10.000)

	Article no.	
50 Signals	3BSE064066R50	
500 Signals	3BSE064066R500	
2500 Signals	3BSE064066R2500	

HMI System Options

Alarm Analysis and Alarm Shelving.

	Article no.	
Alarm Management	3BSE064069R1	

HMI Operator Workplace Clients

One Operator Workplace, Process Graphics, Alarm and events, Trends, Reports.
Note: It is possible to have up to 10 workplaces of any type in total.

	Article no.	
HMI Operator Workplace Client - 200 Signals	3BSE064068R200	
HMI Operator Workplace Client - 500 Signals	3BSE064068R500	
HMI Operator Workplace Client - 1000 Signals	3BSE064068R1000	
HMI Operator Workplace Client - 2000 Signals	3BSE064068R2000	
HMI Operator Workplace Client - 5000 Signals	3BSE064068R5000	
HMI Operator Workplace Client - 10000 Signals	3BSE064068R5001	

HMI Operator Workplace Remote Clients

One Operator Workplace, Process Graphics, Alarm and events, Trends, Reports.
Note: It is possible to have up to 10 workplaces of any type in total.

	Article no.	
HMI Operator Workplace Remote Client - 200 Signals	3BSE064070R200	
HMI Operator Workplace Remote Client - 500 Signals	3BSE064070R500	
HMI Operator Workplace Remote Client - 1000 Signals	3BSE064070R1000	
HMI Operator Workplace Remote Client - 2000 Signals	3BSE064070R2000	
HMI Operator Workplace Remote Client - 5000 Signals	3BSE064070R5000	
HMI Operator Workplace Remote Client - 10000 Signals	3BSE064070R5001	

Client Signal Expansions

	Article no.	
Client Signal Expansion from 200 to 500 Signals	3BSE064067R200	
Client Signal Expansion from 500 to 1000 Signals	3BSE064067R500	
Client Signal Expansion from 1000 to 2000 Signals	3BSE064067R1000	
Client Signal Expansion from 2000 to 5000 Signals	3BSE064067R2000	
Client Signal Expansion from 5000 to 10000 Signals	3BSE064067R5000	

Compact HMI 800 5.0 Expansion

Signal Additions

(Total max 5.000)

	Article no.	
50 Signals (including 20 Tags)	3BSE062340R1	
500 Signals (including 200 Tags)	3BSE062340R2	
2500 Signals (including 1000 Tags)	3BSE062340R3	

Operations

One Operator Workplace, Process Graphics, Alarm and events, Trends, Reports.

	Article no.	
HMI Operator Workplace Client - 200 Signals	3BSE054248R1	
Operator Workplace - Client up to 500 Signals	3BSE054248R2	
Operator Workplace - Client up to 1000 Signals	3BSE054248R3	
Operator Workplace - Client up to 2500 Signals	3BSE054248R4	
Operator Workplace - Client up to 5000 Signals	3BSE054248R5	

Client Signal Expansion

|	Article no.	
Client Signal Expansion from 200 to 500 Signals	3BSE061624R1	
Client Signal Expansion from 500 to 1000 Signals	3BSE061624R2	
Client Signal Expansion from 1000 to 2500 Signals	3BSE061624R3	
Client Signal Expansion from 2500 to 5000 Signals	3BSE061624R4	

Panel 800 5.1

Panel 800 is a user-friendly, intuitive and ergonomic operator panel that combines slim, space saving dimensions with a comprehensive range of advanced functions.

All panels are equipped with advanced functionality for process and equipment control, maneuvered either by function keys located next to the screen or by touching the LCD display. Combined with market leading performance and stunning graphical ability, the Panel 800 erodes the line between ordinary Operator Panels and PC based HMIs. Panel 800 is the successor after the Process Panels.

Panel 800 is designed specifically for ABB Control Network and AC 800M controllers, but thanks to the extensive driver library, the Panel 800 is compatible with most makes of PLC and ABB legacy control systems. When using it together with AC 800M, certain unique features become available, such as integrated alarm handling with the process PLCs.

Panel 800 consists of a modern powerful hardware platform, which enables a very limited mounting depth. The frame is made of powder-coated aluminum, giving the panels a very robust look-and-feel. The front enclosure is designed to withstand demanding industrious usage according to the IP66 standard. The panels have also been certified by DNV and UL.
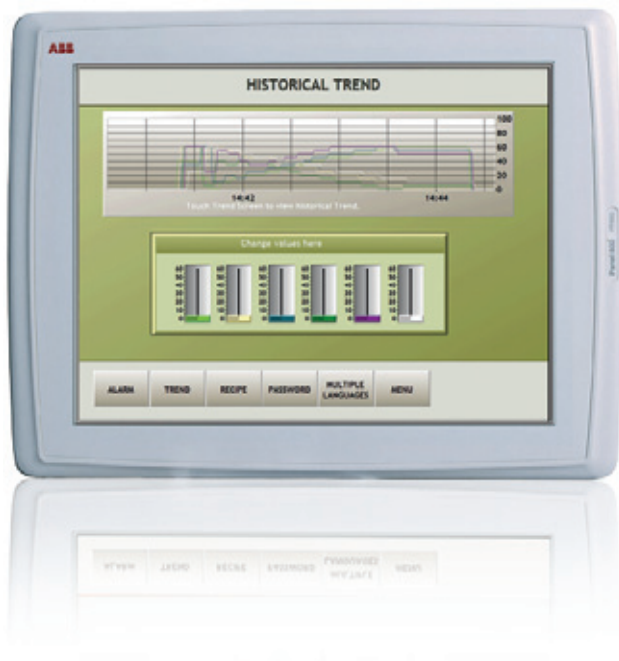
Panel 800 5.1

Specifications Panel 800 5.1	
Display backlight	CCFL/LED backlight with dimming function
CPU	316 or 416 MHz RISC CPU (Intel Xscale)
Memory, flash	32 MB (Intel StrataFlash)
Memory, RAM	64 MB
Flash memory for application	12 MB
Real time clock	YES
Power supply	+24 C14 20-30 V
Ambient temperature	0 ° to +50 °C, can be extended for limited periods
Relative humidity	5 - 85 % non-condensing
Housing material	Powder-coated aluminium
Front side material	Autotex F250 / F157 (keyboard), (PP865S in Stainless Steel 316/1.4401)
Peripherals	
Serial Ports	RS422/RS485, female, 25-pin D-Sub, RS232C, male, 9-pin D-Sub
Ethernet	Shielded RJ45 10/100 Mbit/sec
USB	Host type A (power consumption max. 500 mA), Device type B
PROFIBUS	Expansion slot for PROFIBUS DP
Environmental Data for Panel 800 5.1	
Climatic Operating Conditions	Vertical installation: 0 ° to +50 °C
	Horizontal installation: 0 ° to +40 °C
	Storage temperature -20 °C to +70 °C
	Relative humidity 5 - 85 % non-condensed
Protection class	Front panel seal IP 66
	Rear panel seal IP 20
Electromagnetic Compatibility and CE-mark	Meets EMC directive 2004/108/EC
Electromagnetic Emission	Tested according to EN61000-6-4 (2007)
Electromagnetic Immunity	Tested according to EN61000-6-2 (2005)
Electrical Safety	UL508
Hazardous Classified Locations*	Div 2 Groups A, B, C, D, T4
Marine Certificates*	ABS, DNV, GL, RINA

* PP865S is not marine, UL or NEMA 4X certified

Specifications	PP820A	PP826A	PP836A	PP846A
Display size	-	5,7"	6,5"	10,4"
Active area of display, W x H	127,0 x 33,8 mm			
Resolution	240 x 64 pixels	320 x 240 pixels	640 x 480 pixels	800 x 600 pixels
Interaction type	Function key	Function key	Function key	Function key
LED	16 (2 color)	16 (2 color)	16 (2 color)	20 (2 color)
Power consumption (normal/max)	0,15 A / 0,35 A	0,3 A / 0,5 A	0,4 A / 0,9 A	0,5 A / 1 A
Dimensions				
Front panel, W x H x D	202 x 187 x 57 mm	275 x 168 x 57 mm	285 x 177 x 60 mm	382 x 252 x 60 mm
Cut-out dimensions	166 x 149 mm	240 x 130 mm	246 x 139 mm	343 x 208 mm
Mounting depth	57 mm	58 mm	55 mm	58 mm
Weight	0,875 Kg	1,11 Kg	1,3 Kg	2,3 Kg

Specifications	PP815A	PP825A	PP835A	PP845A	PP865A	PP865S
Display size	3,5"	5,7"	6,5"	10,4"	15"	15"
Resolution	320 x 240 pixels	320 x 240 pixels	640 x 480 pixels	800 x 600 pixels	1024 x 768 pixels	1024 x 768 pixels
Interaction type	Resistive Touch	Resistive Touch	Resistive Touch	Resistive Touch	Resistive Touch	Resistive Touch
LED	-	-	-	-	-	-
Power consumption (normal/max)	0,15 A / 0,35 A	0,25 A / 0,45 A	0,4 A / 0,9 A	0,5 A / 1 A	1,2 A / 1,7 A	1.2 A / 1,7 A
Dimensions						
Front panel, W x H x D	156 x 119 x 59 mm	201 x 152 x 57 mm	219 x 154 x 60 mm	302 x 228 x 60 mm	398 x 304 x 60 mm	398 x 304 x 60 mm
Cut-out dimensions	139 x 105 mm	180 x 130 mm	189 x 138 mm	265 x 206 mm	356 x 279 mm	356 x 279 mm
Mounting depth	57 mm	57 mm	55 mm	58 mm	60 mm	60 mm
Weight	0,56 Kg	0,87 Kg	1,1 Kg	2 Kg	3,7 Kg	4.9 kg

Panel 800 5.1

Panel Builder 800 5.1

Media folder with Panel Builder 800 containing the latest version of:
– Panel Builder 800 and Panel Tools
– Firmware for panels
– Manuals as pdf-files
– Release Notes
– License for one Panel Builder 800
1 year Automation Sentinel Subscription included.

		Article no.	
Panel Builder 800 5.1		3BSE042250R1	

PP820A Function Key Panel

Key panel. 240 x 64 pixels, graphics & text, key, black/white.
Active area of display, W x H 127,0 x 33,8 mm.
8 function keys, 16 LED's (two color).

		Article no.	
PP820A	Function Key Panel	3BSE042243R1	

PP826A Function Key Panel

5,7" Key panel.
STN/TFT 320 x 240 pixels, graphics & text, color.
16 function keys, 16 LED's (two color).

		Article no.	
PP826A	Function Key Panel	3BSE042244R1	

PP836A Function Key Panel

6,5" Key panel.
TFT 640 x 480 pixels, graphics & text, color.
16 function keys, 16 LED's (two color).

		Article no.	
PP836A	Function Key Panel	3BSE042237R1	

PP846A Function Key Panel

10,4" Key panel.
TFT 800 x 600 pixels, graphics & text, color.
22 function keys, 20 LED's (two color).

		Article no.	
PP846A	Function Key Panel	3BSE042238R1	

Panel 800 5.1

PP815A Touch Panel

3,8" Touch panel.

TFT 320 x 240 pixels, graphics & text, touch, color.

		Article no.	
PP815A	Touch Panel	3BSE042239R1	

PP825A Touch Panel

5,7" Touch panel.

STN/TFT 320 x 240 pixels, graphics & text, touch, color.

To protect the touch screen, it's recommended to use the RX825 Touch Cover.

		Article no.	
PP825A	Touch Panel	3BSE042240R1	

PP835A Touch Panel

6,5" Touch panel.

TFT 640 x 480 pixels, graphics & text, touch, color.

To protect the touch screen, it's recommended to use the RX835 Touch Cover.

		Article no.	
PP835A	Touch Panel	3BSE042234R1	

PP845A Touch Panel

10,4" Touch panel.

TFT 800 x 600 pixels, graphics & text, touch, color.

To protect the touch screen, it's recommended to use the RX845 Touch Cover.

		Article no.	
PP845A	Touch Panel	3BSE042235R1	

PP865A Touch Panel

15" Touch panel.

TFT 1024 x 768 pixels, graphics & text, touch, color.

To protect the touch screen, it's recommended to use the RX865 Touch Cover.

		Article no.	
PP865A	Touch Panel	3BSE042236R1	

PP865S Touch Panel

15" Touch panel.

TFT 1024 x 768 pixels, graphics & text, touch, color, stainless steel front.

Note: PP865S Delivery time is 25 working days.

		Article no.	
PP865S	Touch Panel	3BSE042242R1	

Accessories

TK854V030 Programming Cable
RS232 programming cable Panel 800 <--> PC.
Length 3 m.

TK212A Tool cable
RJ45 (male) to Dsub-9 (female), length 3 m.
RJ45 8P8C plug (with shell). Cable : UL2464 26 AWG x 8C.
For serial communication between Panel 800 and AC 800M.

CB801 PROFIBUS DP Communication Interface
PROFIBUS DP slave expansion module for Panel 800.

### CB810 USB to Ethernet adapter for programming
USB to Ethernet adapter with software.
Cross over Ethernet patch cable included.

MB801V512 Compact Flash card
Expansion Compact Flash memory for Panel 800, 512 MB.

		Article no.	
TK854V030	Programming Cable	3BSE042251R1	
TK212A	Tool cable	3BSC630197R1	
CB801	Communication interface	3BSE042245R1	
CB810	Ethernet adapter	3BSE042255R1	
MB801V512	Compact Flash card	3BSE042257R1	
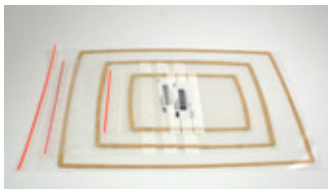
Touch cover
RX815 Touch cover for PP815A, 1 pcs
RX820 Key cover for PP820A, 1 pcs
RX825 Touch cover for PP825A, 1 pcs
RX826 Key cover for PP826A, 1 pcs
RX835 Touch cover for PP835A, 1 pcs
RX836 Key cover for PP836A, 1 pcs
RX845 Touch cover for PP845A, 1 pcs
RX846 Key cover for PP846A, 1 pcs
RX865 Touch cover for PP865A, 1 pcs. Not suitable for PP865S.

		Article no.	
RX815	Touch cover for PP815A	3BSE049366R1	
RX820	Key cover for PP820A	3BSE049367R1	
RX825	Touch cover for PP825A	3BSE042246R1	
RX826	Key cover for PP826A	3BSE049368R1	
RX835	Touch cover for PP835A	3BSE042247R1	
RX836	Key cover for PP836A	3BSE049369R1	
RX845	Touch cover for PP845A	3BSE042248R1	
RX846	Key cover for PP846A	3BSE049370R1	
RX865	Touch cover for PP865A. Not suitable for PP865S.	3BSE042249R1	

Compact Control Builder AC 800M 5.1

The Compact Control Builder, is a powerful tool for creating control solutions and reusable control libraries for the AC 800M process PLC.

It is all done in a Windows-based environment, offering a wide range of control functionality for ABB's industrial AC 800M. From binary logic to advanced regulatory control, from discrete process signals to high-level process objects. In any choice of no less than six programming languages, whichever are the most suitable for the tasks at hand. These are: Instruction List, Structured Text, Function Block Diagram, Sequential Function Chart, Ladder Diagram, and Control Modules, the latter being ABB's own contribution to higher application engineering efficiency and ease of use.

The Compact Control Builder product package also includes an AC 800M OPC-server and a soft-controller for testing of the applications.
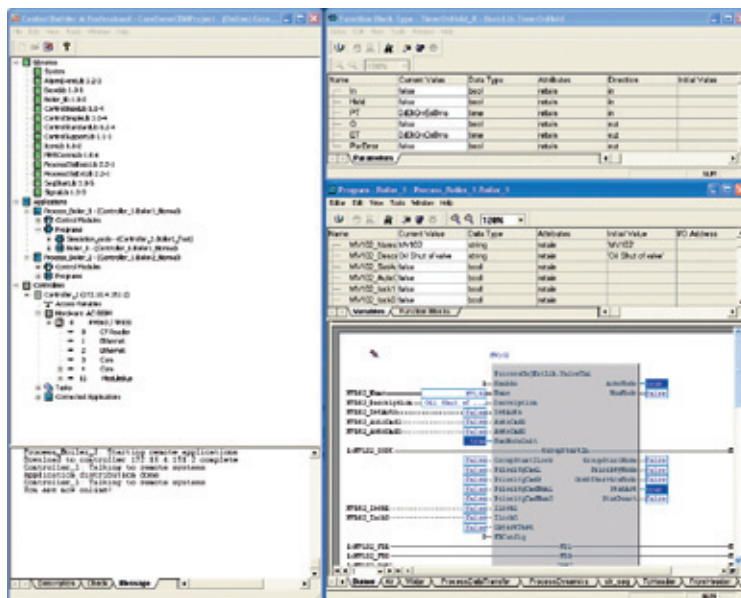
Compact Control Builder AC 800M 5.1

Compact Control Builder AC 800M 5.1

Product Box including:
- licenses for one Compact Control Builder AC 800M, one OPC Server for AC 800M, and one SoftController.
- DVD with software for Compact Control Builder AC 800M, OPC Server for AC 800M, and SoftController.
- firmware for AC 800M and its communication units.
- manuals as pdf-files.
- a Getting Started manual.

1 year Automation Sentinel Subscription included.

	Article no.	
Compact Control Builder AC 800M 5.1	3BSE040360R51	

OPC Server for AC 800M 5.1

License for one OPC Server for AC 800M.

1 year Automation Sentinel Subscription included.

	Article no.	
OPC Server for AC 800M 5.1	3BSE039915R51	

User Documentation

Compact 800 Engineering Compact Control Builder AC 800M 5.1

	Article no.	
Getting Started	3BSE041584-510	
Configuration	3BSE040935-510	
Planning	3BSE044222-510	
Binary and Analog Handling	3BSE041488-510	

AC 800M Processor Units

The AC 800M process PLC can be configured with both Compact Control Builder and 800xA Control Builder.

When configured with the Compact Control Builder the AC 800M is open to participate in any kind of control solution.

When configured with the 800xA Control Builder, the AC 800M becomes a tightly integrated part of the 800xA DCS. It is then offered and also described as a part of the 800xA system offering.

CPU Modules

Several CPU modules are available that vary in terms of processing power, memory size, and redundancy support. Each CPU module is equipped with built in Ethernet port(s) for communication with other process PLCs and for interaction with operators, engineers, managers, and higher level applications. These ports can be configured for redundancy for those cases where availability is of paramount importance. It is also equipped with two RS-232C ports that can be used for point-to-point communication with programming/debugging tools and with third-party systems and devices.

Com and I/O Modules

To each CPU module, a number of communication and I/O modules can be added, for example:

– Additional RS-232C ports
– PROFIBUS DP, DP-V1 interface
– MODBUS TCP interface
– ABB INSUM interface
– MasterBus 300 interface
– S100 I/O interface
– S800L and S800 I/O modules

AC 800M process PLC

**High performance AC 800M process PLC, PM 891**

AC 800M Processor Units

CPUs / Features	PM851A	PM856A	PM860A	PM861A	PM864A	PM866	PM891
Clock frequency	24 MHz	24 MHz	48 MHz	48 MHz	96 MHz	133 MHz	450 MHz
Memory (RAM)	8 MB	8 MB	8 MB	16 MB	32 MB	64 MB	256 MB
RAM available for application	2.787 MB	2.787 MB	2.787 MB	8.289 MB	25.049 MB	52.996 MB	240 MB
CPU redundancy support	No	No	No	Yes	Yes	Yes	Yes
Communication interfaces	1 Ethernet port 2 RS-232C ports	2 Ethernet ports 2 RS-232C ports	2 Ethernet ports 2 RS-232C ports	2 Ethernet ports 2 RS-232C ports	2 Ethernet ports 2 RS-232C ports	2 Ethernet ports 2 RS-232C ports	
Performance, 1000 boolean operations (a:=b and c)	0.46 ms	0.46 ms	0.23 ms	0.23 ms	0.15 ms	0.09 ms	0.043 ms
Recommended Control Network backbone	100 Mbit/s - 1 Gbit/s Ethernet (IEEE 802.3)						
Dimensions	W 119 x H 186 x D 135 mm (4.7 x 7.3 x 5.3 in.)						W 174 x H 186 x D 94 mm
Weight (including base)	1100 g (2.4 lb)	1100 g (2.4 lb)	1100 g (2.4 lb)	1200 g (2.6 lb)	1200 g (2.6 lb)	1200 g (2.6 lb)	1600 g (3.5 lb)

Environmental Data for AC 800M and S800 I/O	
Climatic Operating Conditions	0 to +55 C (Storage -40 to +70C), RH = 5 to 95 % no condensation, IEC/EN 61131-2
Protection class	IP20 according to EN 60529, IEC 529
Corrosive protection	G3 compliant according to ISA-71.04
Electromagnetic Compatibility and CE-mark	Meets EMC directive 2004/108/EC according to EN 61000-6-2 and EN 61000-6-4
Electromagnetic Emission	Tested according to EN 61000-6-4 EMC – Generic Emission Standard, Part 2 – Industrial Environment
Electromagnetic Immunity	Tested according to EN 61000-6-2 EMC – Generic Immunity Standard, Part 2 – Industrial Environment
Electrical Safety	UL508, IEC/EN 61131-2
Hazardous Classified Locations	UL/CSA 60079-15 (Class 1 Zone 2)
Hazardous Classified Locations ATEX	S890 series of I/O modules: Category 3 (1) G, EEx nA [ia] IIC T4

Measurements
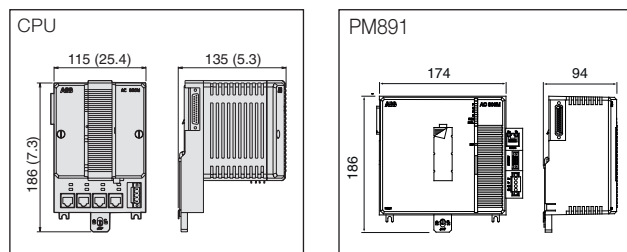
AC 800M Processor Units

PM851K01 Processor Unit

Package including:
- PM851, CPU
- TP830, Baseplate, width = 115 mm
- TB850, CEX-bus terminator
- TB807, Modulebus terminator
- Battery for memory backup (4943013-6)

		Article no.	
PM851K01	Processor Unit	3BSE018168R1	

PM856K01 Processor Unit

Package including:
- PM856, CPU
- TP830, Baseplate, width = 115 mm
- TB850, CEX-bus terminator
- TB807, Modulebus terminator
- Battery for memory backup (4943013-6)

		Article no.	
PM856K01	Processor Unit	3BSE018104R1	

PM860K01 Processor Unit

Package including:
- PM860, CPU
- TP830, Baseplate, width = 115 mm
- TB850, CEX-bus terminator
- TB807, Modulebus terminator
- Battery for memory backup (4943013-6)

		Article no.	
PM860K01	Processor Unit	3BSE018100R1	

PM861AK01 Processor Unit

Package including:
- PM861A, CPU
- TP830, Baseplate, width = 115 mm
- TB850, CEX-bus terminator
- TB807, Modulebus terminator
- TB852, RCU-Link terminator
- Battery for memory backup (4943013-6)

		Article no.	
PM861AK01	Processor Unit	3BSE018157R1	

AC 800M Processor Units

PM861AK02 Redundant Processor Unit

Package including:
– 2 pcs PM861AK01, Processor unit
– 1 pcs TK850, CEX-bus expansion cable
– 1 pcs TK851, RCU-Link cable

		Article no.	
PM861AK02	Redundant Processor Unit	3BSE018160R1	

PM864AK01 Processor Unit

Package including:
– PM864A, CPU
– TP830, Baseplate, width = 115 mm
– TB850, CEX-bus terminator
– TB807, Modulebus terminator
– TB852, RCU-Link terminator
– Battery for memory backup (4943013-6)

		Article no.	
PPM864AK01	Processor Unit	3BSE018161R1	

PM864AK02 Redundant Processor Unit

Package including:
– 2 pcs PM864AK01, Processor unit
– 1 pcs TK850, CEX-bus expansion cable
– 1 pcs TK851, RCU-Link cable

		Article no.	
PM864AK02	Redundant Processor Unit	3BSE018164R1	

PM866K01 Processor Unit

Package including:
– PM866, CPU
– TP830, Baseplate, width =115 mm
– TB850, CEX-bus terminator
– TB807, Modulebus terminator
– TB852, RCU-Link terminator
– Battery for memory backup (4943013-6)

		Article no.	
PM866K01	Processor Unit	3BSE050198R1	

AC 800M Processor Units

PM866K02 Redundant Processor Unit

Package including:
– 2 pcs PM866K01, Processor unit
– 1 pcs TK850, CEX-bus expansion cable
– 1 pcs TK851, RCU-Link cable

		Article no.	
PM866K02	Redundant Processor Unit	3BSE050199R1	

PM891K01 Processor Unit

Package including:
– PM891 CPU Module
– TB850, CEX-bus terminator
– TB853, RCU Control Link Terminator

		Article no.	
PM891K01	Processor Unit	3BSE053241R1	

PM891K02 Redundant Processor Unit

Package including:
– 2 pcs PM891K01 Processor Unit
– 1 pcs TK850V007 CEX-bus Extension Cable
– 1 pcs TK855 RCU Data Link Cable
– 1 pcs TK856 RCU Control Link Cable
Please note: The BC810K02 is not included in the PM891K02 Redundant Processor Unit kit. In order to make hot replacement of PM891 Processor Unit possible, the BC810K02 is required and has to be ordered separately.

		Article no.	
PM891K02	Redundant Processor Unit	3BSE053242R1	

SB822 Rechargeable battery unit

External DIN-rail mounted rechargeable battery unit including lithium-ion battery, 24 V DC connector and connection cable TK821V020.
Width = 85 mm.
Equivalent amount of Lithium metal = 0.8 g (0.03 oz).

|		Article no.	
SB822	Rechargeable battery unit	3BSE018172R1	

Extra batteries

For extra Lithium batteries (4943013-6), please refer to ABB Parts Online; www.abb.com/partsonline.

Communication

Supported Communication modules	PROFIBUS DP	RS-232 C	MB300	INSUM	DriveBus	Satt I/O	S100 I/O	MODBUS TCP	AF100	PROFI-NET IO	EtherNet/IP + DeviceNet
Module	CI854A	CI853	CI855	CI857	CI858	CI865	CI856	CI867	CI869	CI871	CI873
Protocol	DP-V1 (PA via Linking Device)	MODBUS RTU master, COMLI master/slave, Siemens 3964R master, User defined protocols	MasterBus 300	IEEE 802.3	ABB's DriveBus	ABB's Satt I/O	ABB's S100 I/O	MODBUS TCP	Advant Fieldbus 100	PROFINET IO	EtherNet/IP DeviceNet (via LD800DN)
Transmission speed	9.6 - 12 000 kbits/s	300 - 19 200 b/s	10 Mbits/s, 200 Data-sets/s	10 Mbits/s	4 Mbits/s	-	–	10/100 Mbit/s (Ch1), 10 Mbit/s (Ch2)	Up to 500 Kbit/s	10/100 Mbit/s	10/100 Mbit/s
Hot Swap	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Connectors	DB female (9-pin)	RJ-45 female (8-pin)	RJ-45 female (8-pin)	RJ-45 female (8-pin)	Fiber-optic	BNC	Miniribbon (36-pin)	RJ-45 female (8-pin)	Phoenix (4-pin)	RJ-45 female (8-pin)	RJ-45 female (8-pin)

Measurements

Communication Interface
58 (2.3)   127.5 (5.0)
186 (7.3)

Communication
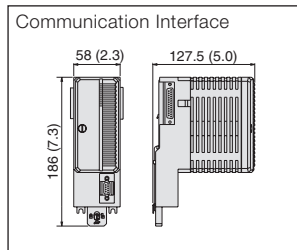
Serial Interfaces on TP830

RS232-C interfaces for protocols COMLI, MODBUS, Siemens 3964R, the free-programmable serial protocol etc. Also for connection of engineering tool.

TK212A Tool cable

RJ45 (male) to Dsub-9 (female), length 3 m. RJ45 8P8C plug (with shell).
Cable : UL2464 26 AWG x 8C.

		Article no.	
TK212A	Tool cable	3BSC630197R1	

TC562 Short Distance Modem, G1 Compliant

Length < 10 km. Point-to-point up to 1 km at 19200 bps. Power 24 V d.c.
Width = 55 mm.

		Article no.	
TC562	Short Distance Modem, G1 Compliant	3BSC630049R1	

TK853V020 Modem Cable

Length 2 m.
Cable for connection between modem TC562 and TP830.

		Article no.	
TK853V020	Modem Cable	3BSC950201R1	

Serial Communication Interface
CI853K01 Dual RS232-C interface

RS232-C interfaces for protocols COMLI, MODBUS, Siemens 3964R,
the free-programmable serial protocol etc.
Package including:
– CI853, Communication Interface
– TP853, Baseplate, width = 60 mm

		Article no.	
CI853K01	Dual RS232-C interface	3BSE018103R1	

MODBUS TCP
CI867K01 MODBUS TCP Interface

Package including:
– CI867, Communication Interface
– TP867, Baseplate, width = 60 mm

		Article no.	
CI867K01	MODBUS TCP Interface	3BSE043660R1	

Communication

PROFIBUS DP

CI854AK01 PROFIBUS DP-V1 Communication interface

The required PROFIBUS network components (Linking devices, etc) must be ordered from price list 3BDD 013 232, PROFIBUS Network Components.
Package including:
– CI854A, Communication Interface
– TP854, Baseplate, width = 60 mm

		Article no.	
CI854AK01	PROFIBUS DP-V1 Communication interface	3BSE030220R1	

PROFINET IO

CI871K01 PROFINET IO Communication Interface

Package including:
– CI871, Communication Interface
– TP867, Baseplate width = 60 mm

		Article no.	
CI871K01	PROFINET IO Communication Interface	3BSE056767R1	

IEC 61850

CI868K01 IEC61850 Communication interface

Package including:
– -CI868, Communication Interface
– -TP867, Baseplate, width = 60 mm
THIS ITEM NEEDS A TSA TO BE ORDERED.

		Article no.	
CI868K01	IEC61850 Communication interface	3BSE048845R1	

Ethernet IP

CI873K01 Ethernet/IP Communication Interface

Packaging including:
– CI873, Communication Interface
– TP867, Baseplate width = 60 mm

		Article no.	
CI873K01	Ethernet/IP Communication Interface	3BSE056899R1	

LD 800DN EtherNet/IP to DeviceNet Linking Device, G1 Compliant

Package including:
– 1 pcs LD 800DN
– 1 pcs Installation Guide
– 2 pcs Termination resistors for DeviceNet, 1/4 W, 121 Ohm
May only be used with CI873 Communication Interface.

		Article no.	
LD 800DN	EtherNet/IP to DeviceNet Linking Device, G1 Compliant	3BSC690164R1	

Communication

Advant Fieldbus 100

CI869K01 AF 100 Communication Interface

Package including:
– CI869 , Communication Interface
– TP869 , Baseplate, width = 60 mm

		Article no.	
CI869K01	AF 100 Communication Interface	3BSE049110R1	

MasterBus 300

CI855K01 MB 300 Dual Ethernet port interface

Package including:
– CI855, MB300 Interface Module
– TP853, Base plate

		Article no.	
CI855K01	MB 300 Dual Ethernet port interface	3BSE018106R1	

S100 I/O Bus

CI856K01 S100 I/O interface

Installed on DIN rail. Communication bridge between AC 800M and S100 system.

Package including:
– CI856, Communication Interface
– TP856, Baseplate, width = 60 mm

		Article no.	
CI856K01	S100 I/O interface	3BSE026055R1	

Satt I/O

CI865K01 Communication Interface Module for Satt I/O

For SATT 19" rack I/O and S200 I/O via ControlNet.

For additional SATT 19" rack I/O components, see price list 3BSE014353 (Interface) in price book 3BSE014360 (SattLine/SattCon).

Package including:
– CI865, Communication Interface
– TP865, Baseplate, width = 60 mm

		Article no.	
CI865K01	Communication Interface Module for Satt I/O	3BSE040795R1	

INSUM

CI857K01 INSUM Ethernet interface

Package including:
– CI857, Communication Interface
– TP853, Baseplate, width = 60 mm

		Article no.	
CI857K01	INSUM Ethernet interface	3BSE018144R1	

Communication

DriveBus

CI858K01 DriveBus Interface

Package including:
- CI858, Communication Interface
- TP858, Baseplate, width = 60 mm

		Article no.	
CI858K01	DriveBus Interface	3BSE018135R1	

Bus Accessories

TK850V007 CEX-Bus Extension Cable

Length = 0.7 m
Use of TK850V007 needs TK851 as CEX-bus terminator.

		Article no.	
TK850V007	CEX-Bus Extension Cable	3BSC950192R1	

TB850 CEX-Bus Terminator

With 25-pin DB25P male connector. With screw fixing.
A TB850 CEX-Bus terminator must always be installed on the last unit on the CEX bus.

		Article no.	
TB850	CEX-Bus Terminator	3BSC950193R1	

TB851 CEX-Bus Terminator

With 25-pin DB25S female connector. With screw fixing.
When Communication Interface units are mounted on adjacent DIN rails, they are connected by means of a CEX-Bus extension cable (TK850) and terminated using a TB851 CEX-Bus terminator.

		Article no.	
TB851	CEX-Bus Terminator	3BSC950194R1	

Bus Accessories

BC810K02 CEX-bus Interconnection Unit

Including:
– BC810, Interconnection Unit, 2 units
– TP857, Baseplate, width = 60 mm, 2 units
– TK851, Interconnection Cable
– TB850, CEX-Bus Terminator, 2 units

		Article no.	
BC810K02	CEX-bus Interconnection Unit	3BSE031155R1	

TK851V010 Connection Cable

Length = 1.0 m.
Used as:
– RCU Link Cable
– BC810 Interconnection Cable

		Article no.	
TK851V010	Connection Cable	3BSC950262R1	

TB852 RCU Link Terminator

		Article no.	
TB852	RCU Link Terminator	3BSC950263R1	

TB853 RCU Control Link Terminator

		Article no.	
TB853	RCU Control Link Terminator	3BSE057022R1	

TK855 RCU Data Link Cable

Length = 1.0 m
Used as: RCU Data Link Cable

		Article no.	
TK855	RCU Data Link Cable	3BSC950356R1	

TK856 RCU Control Link Cable

Length = 1.0 m
Used as: RCU Control Link Cable

		Article no.	
TK856	RCU Control Link Cable	3BSE057021R1	

Power Supply and Voters

SD822Z Power Supply Device, G3 Compliant

Input 115/230 V a.c. switch selectable, output 24 V d.c., 5 A.

If redundant power application is required connect to SS822Z Voting Unit.

Width = 65 mm. DIN rail mounted.

		Article no.	
SD822Z	Power Supply Device, G3 Compliant	3BSC610054R1	

SD831 Power Supply Device, G2 Compliant

Input a.c. 100-240 V or d.c. 110-300 V. Output d.c. 24 V 3 A.

If redundant power application is required connect to SS8XX. Voting Unit.

Width = 35 mm. DIN rail mounted.

		Article no.	
SD831	Power Supply Device, G2 Compliant	3BSC610064R1	

SD832 Power Supply Device, G2 Compliant

Input a.c. 100-120/200-240 V. Output d.c. 24 V 5 A, auto-select input.

If redundant power application is required connect to SD8XX. Voting Unit.

Width = 35 mm. DIN rail mounted.

		Article no.	
SD832	Power Supply Device, G2 Compliant	3BSC610065R1	

SD833 Power Supply Device, G2 Compliant

Input a.c. 100-120/200-240 V, auto-select input. Output d.c. 24 V 10 A.

If redundant power application is required connect to SD8XX. Voting Unit.

Width = 60 mm. DIN rail mounted.

		Article no.	
SD833	Power Supply Device, G2 Compliant	3BSC610066R1	

SD834 Power Supply Device, G2 Compliant

Input a.c. 100-240 V or d.c. 110-300 V. Output d.c. 24 V 20 A.

If redundant power application is required connect to SS8XX. Voting Unit.

Width = 85 mm. DIN rail mounted.

		Article no.	
SD834	Power Supply Device, G2 Compliant	3BSC610067R1	

SS822Z Power Voting Unit, G3 Compliant

With dual 24 V d.c 20 A inputs, single 24 V d.c. 20 A output. Each power input supervised.

Used if redundant power supply is required. For use with power supply SD822Z.

Width = 50 mm. DIN rail mounted.

		Article no.	
SS822Z	Power Voting Unit , G3 Compliant	3BSC610055R1	

Power Supply and Voters

SS832 Voting Device, G2 Compliant

Input d.c. 24 V. Dual 24 V to single 24 V, 2 x 10 A.
Width = 35 mm. DIN rail mounted.

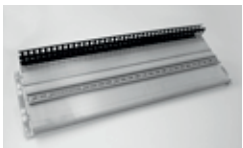|		Article no.	
SS832	Voting Device	3BSC610068R1	

Mains Breaker Kit for DIN Rail

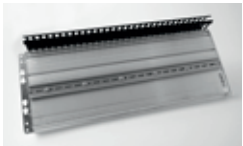115/230 V a.c. with input terminals, breaker and 3 fused (6.3 A), double output terminals, Width = 102,5 mm.

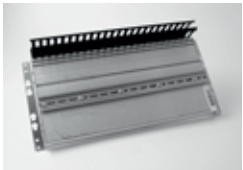|		Article no.	
Mains Breaker Kit for DIN Rail		3BSE022262R1	

Mounting Rails

Al-profile with DIN rail and Cable Duct for RE820, mounting 719 mm (28,3")

DIN rail length 683 mm (26,9").

Al-profile with DIN Rail and Cable Duct for RM550, mounting 592 mm (24")

DIN rail length 556 mm (21,9").

Al-profile with DIN Rail and Cable Duct, mounting 465 mm (19")

DIN rail length 429 mm (16,9").

	Article no.	
For RE820, mounting 719 mm (28,3")	3BSE022257R1	
For RM550, mounting 592 mm (24")	3BSE022256R1	
Mounting 465 mm (19")	3BSE022255R1	

User Documentation

AC 800M 5.1 Communication Protocols

	Article no.	
AC 800M 5.1 Communication Protocols	3BSE035982-510	

AC 800M 5.1 OPC Server

	Article no.	
AC 800M 5.1 OPC Server	3BSE035983-510	

User Documentation

AC 800M 5.1 Library Object Style Guide

	Article no.	
AC 800M 5.1 Library Object Style Guide	3BSE042835-510	

AC 800M 5.0, 5.1 PROFIBUS DP Installation

	Article no.	
AC 800M 5.0, 5.1 PROFIBUS DP Installation	3BDS009029R5001	

AC 800M 5.0, 5.1 PROFIBUS DP Configuration

	Article no.	
AC 800M 5.0, 5.1 PROFIBUS DP Configuration	3BDS009030R5011	

AC 800M 5.0 SP2, 5.1 AC 800M DriveBus

	Article no.	
AC 800M 5.0 SP2, 5.1 AC 800M DriveBus	3AFE68237432D	

AC 800M 5.1 Controller Hardware

	Article no.	
AC 800M 5.1 Controller Hardware	3BSE036351-510	

AC 800M 5.1 IEC 61850 Configuration

	Article no.	
AC 800M 5.1 IEC 61850 Configuration	9ARD171385-510	

AC 800M 5.1 ProfiNet IO Configuration

	Article no.	
AC 800M 5.1 ProfiNet IO Configuration	3BDS021515-510	

AC 800M 5.1 Ethernet/IP DeviceNet Configuration

	Article no.	
AC 800M 5.1 Ethernet/IP DeviceNet Configuration	9ARD000014-510	

AC 800M 5.1 Ethernet/IP DeviceNet Installation

	Article no.	
AC 800M 5.1 Ethernet/IP DeviceNet Installation	9ARD000015-510	

Advant Fieldbus 100 User Manual

	Article no.	
Advant Fieldbus 100 User Manual	3BSE000506-510	

S800 I/O Modules

S800 I/O is a comprehensive, distributed and modular process I/O system that communicates with parent controllers over industry-standard field buses. Thanks to its broad connectivity it fits a wide range of process controllers from ABB and others.

By permitting installation in the field, close to sensors and actuators, S800 I/O reduces the installation cost by reducing the cost of cabling. And thanks to features such as "hot swap" of modules, "on-line" reconfiguration and redundancy options, it contributes to keeping production – and thereby profits up.

S800L

S800

S800L I/O Modules

S800L

S800L I/O is a comprehensive, distributed and modular process I/O system that communicates with parent controllers over industry-standard field buses. Thanks to its broad connectivity it fits a wide range of process controllers from ABB and others.
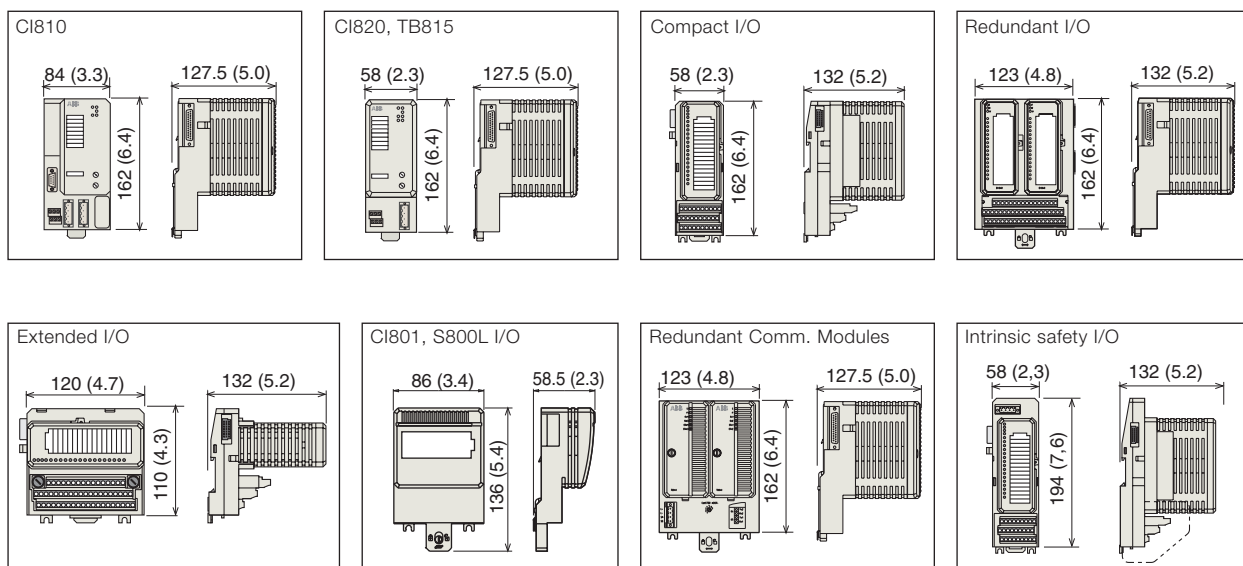
With its cost-effective design and just 59 mm depth installation, S800L I/O modules are the perfect choice for PLC applications. Robust mechanics, one-piece handling, easy mounting and smart connections save your time in all phases of installation. Configuration with the AC 800M controller is as easy as can be, since all necessary information is preinstalled with the Compact Control Builder. And, with the GSD file, S800L I/O can be used with any control system.

Furthermore, as S800L I/O is a subset of the comprehensive S800 I/O system with more than 8 million channels installed globally, you enjoy the same full-featured signal interfacing and high availability.

S800L I/O modules	
DI801	16 channels, 1 group, 24 V d.c., current sink.
DI802	8 ch., 110 V d.c., 120 V a.c.
DI803	8 ch., 220 V d.c., 230 V a.c.
DO801	16 ch., common return, 24 V, max 0.5 A d.c., transistor, current source, short-circuit-proof.
DO802	8 ch., 5-250 V, max 2 A a.c./d.c., relay (N.O.).
AI801	8 ch., single-ended, 0(4)-20 mA, 12 bits.
AO801	8 ch., common return, 0(4)-20 mA, 12 bits, load: less than 750 ohms.

Measurements

CI810	CI820, TB815	Compact I/O	Redundant I/O
84 (3.3) 127.5 (5.0) 162 (6.4)	58 (2.3) 127.5 (5.0) 162 (6.4)	58 (2.3) 132 (5.2) 162 (6.4)	123 (4.8) 132 (5.2) 162 (6.4)

Extended I/O	CI801, S800L I/O	Redundant Comm. Modules	Intrinsic safety I/O
120 (4.7) 132 (5.2) 110 (4.3)	86 (3.4) 58.5 (2.3) 136 (5.4)	123 (4.8) 127.5 (5.0) 162 (6.4)	58 (2,3) 132 (5.2) 194 (7,6)

Dimensions in mm (in.)

S800 I/O Modules

Digital input modules

DI810	16 channels, 2 groups of 8 ch., 24 V d.c., current sink.
DI811	16 ch., 2 groups of 8 ch., 48 V d.c., current sink.
DI814	16 ch., 2 groups of 8 ch., 24 V d.c., current source.
DI820	8 ch., separate returns, 110 V d.c., 120 V a.c.
DI821	8 ch., separate returns, 220 V d.c., 230 V a.c.
DI825	With time tagging, 8 ch., separate returns, 125 V d.c.
DI830	With time tagging. 16 ch., 2 groups of 8 ch., 24 V d.c., current sink. Resolution: <0.5 ms.
DI831	With time tagging. 16 ch., 2 groups of 8 ch., 48 V d.c., current sink. Resolution: <0.5 ms.
DI885	With time tagging & wire-fault detection. 8 ch., common return, 24-48 V d.c., current sink. Resolution: 1 ms.

Pulse input module

DP820	2 channels, separate returns, 0.25 Hz - 1.5 MHz, signal voltage: 5 / 24 V d.c.
DP840	8 ch., sep. returns, freq. measurement or pulse counting, 0.5-20 kHz, 12/24 V d.c or NAMUR.

Digital output modules

DO810	16 channels, 2 groups of 8 ch., 24 V, max 0.5 A d.c., transistor, current source, short-circuit-proof.
DO814	16 ch., 2 groups of 8 ch., 24 V d.c., max 0.5 A, transistor, current sink, short-circuit-proof.
DO815	8 ch., 2 groups of 4 ch., 24 V d.c., max 2 A, transistor, current source, short-circuit-proof.
DO820	8 ch., separate returns, 5-250 V, max 3 A a.c./d.c., relay (N.O.).
DO821	8 ch., separate returns, 5-250 V, max 3 A a.c./d.c., relay (N.C.).

Analog input modules

AI810	8 channels, single-ended, 0(4)-20 mA, 0(2)-10 V, 12 bits.
AI820	Differential inputs, 4 ch., 0(1)-5 V, ±0(2)-10 V, ±0(4)-20 mA, 14 bits + sign.
AI825	Individually galvanically isolated channels, 4 ch., ±0(2)-10 V, ±0(4)- 20 mA, 14 bits + sign.
AI830A	RTD inputs, 8 ch., Pt100, Ni100, Ni120, Cu10, resistor 0-400 ohms, 14 bits, 3-wire.
AI835	TC inputs, 8 ch., (7+ ref. junction), separate returns. TC types B, C, E, J, K, N, R, S, T, - 30…75 mV, 15 bits.

Analog output modules

AO810	8 channels, common return, 0(4)-20 mA, 14 bits, load: 850 ohms (short-circuit-proof).
AO820	Isolated output. 4 ch., separate returns, measuring range: ±0(2)-10 V, ±0(4)-20 mA, resolution: 12 bits + sign, load: less than 500 ohms (current) / more than 2 kohms (voltage), short-circuit-proof.

I/O modules with intrinsic-safety interface

DI890	8 ch., separate returns, proximity sensors (NAMUR) or voltage-free contact., current sink, wire-fault detection.
DO890	4 ch., separate returns, load 150-5000 ohms, 11 V @ 40 mA, current source, wire-fault detection, short circuit-proof.
AI890	8 ch., single-ended, 0(4)-20 mA, 12 bits, transmitter power supply.
AI893	8 ch., TC: 7 + ref. junction, sep. returns. TC types B, C, E, J, K, L, N, R, S, T, U, -10…80 mV. RTD: Pt50-1000, Ni100-500, Cu10-100, resistor 0-4000 W, 3-wire. 15 bits + sign.
AI895	8 ch., single-ended, 4-20 mA, 12 bits, transmitter power supply, HART pass-through not supported.
AO890	8 ch., common return, 0(4)-20 mA, 12 bits, load: 750 ohms short-circuit-proof.
AO895	8 ch., common return, 4-20 mA, 12 bits, load: 750 ohms short-circuit-proof, HART pass-through not supported.

S800 I/O modules for redundancy

DI840	16 channels, common return, 24 V d.c., current sink, extended diagnostics.
DP840	8 ch., sep. returns, freq. measurement or pulse counting, 0.5-20 kHz, 12/24 V d.c or NAMUR.
DO840	16 ch., common return, 24 V d.c., max. 0,5 A, current source, short-circuit-proof, extended diagnostics.
AI843	TC input, 8 ch. + ref. junction. TC types: B, C, E, J, K, L, N, R, S, T, U, -30…75 mV, 16 bits, extended diagnostics.
AI845	8 ch., common return, 0(4)-20 mA 0(1)-5 V, extended diagnostics, HART pass-through not supported.
AO845	8 ch., common return, 4-20 mA, extended diagnostics, HART pass-through not supported.

S800 I/O modules – Users guide

	Binary 24 V	Binary 48 V	Binary 110 V	Binary 230 V	Binary Relay	Analog Unipolar	Analog Bipolar	Temperature RTD	Temperature T/C	SOE	Intrinsic safety	Redundant
Digital input modules												
DI810	☑											
DI811		☑										
DI814	☑											
DI820			☑									
DI821				☑								
DI825			☑							☑		
DI830	☑									☑		
DI831		☑								☑		
DI840	☑									☑		☑
DI885	☑	☑								☑		
DI890											☑	
Digital output modules												
DO810	☑											
DO814	☑											
DO815	☑											
DO820					☑							
DO821					☑							
DO840	☑											☑
DO890											☑	
Pulse input modules												
DP820	☑											
DP840	☑											☑
Analog input modules												
AI810						☑						
AI815						☑						
AI820							☑					
AI825							☑					
AI830A								☑				
AI835A									☑			
AI843									☑			☑
AI845						☑						☑
AI890						☑					☑	
AI893								☑	☑		☑	
AI895						☑					☑	
Analog output modules												
AO810V2						☑						
AO815						☑						
AO820							☑					
AO845						☑						☑
AO890						☑					☑	
AO895						☑					☑	
S800L modules												
DI801	☑											
DI802			☑									
DI803				☑								
DO801	☑											
DO802					☑							
AI801						☑						
AO801						☑						

Field Communication Interface

CI801 PROFIBUS DP-V1 Communication Interface

Including:

1 pce Power Supply Connector.

1 pce TB807 Modulebus Terminator.

The basic system software loaded in CI801 does not support the following I/O modules:

DI830, DI831, DI885, AI880A, DI880 and DO880.

CI801 Engineering kit SW1.3

Including:

1 pce CD with GSD file, Memory Maps and Release Note.

1 pce Reference Manual Memory Maps for CI801.

	Article no.	
CI801 PROFIBUS DP-V1 Communication Interface	3BSE022366R1	
CI801 Engineering kit SW1.3	3BSE038540R1300	

CI840A PROFIBUS DP-V1 Communication Interface

For 1+1 redundant operation.

Two CI840A and one TU847 or one TU846 must be ordered.

The basic system software loaded in CI840 does not support the following I/O modules:

DI830, DI831, DI885, AI880A, DI880, DO880 and ABB Drives.

CI840 Engineering kit SW 4.0

Including:

1 pce CD with GSD file, Memory Maps and Release Notes.

1 pce Reference Manual Memory Maps for CI840.

	Article no.	
CI840A PROFIBUS DP-V1 Communication Interface	3BSE041882R1	
CI840 Engineering kit SW 4.0	3BSE031694R4000	

TU846 Module Termination Unit, MTU, for 1+1 CI840

Support for redundant I/O. Vertical mounting of modules.

Including:

1 pce Power Supply Connector.

2 pce TB807 Modulebus Terminator.

	Support for	Article no.	
TU846 MTU for 1+1 CI840	Redundant I/O	3BSE022460R1	

TU847 Module Termination Unit for 1+1 CI840

Support for non-redundant I/O. Vertical mounting of modules.

Including:

1 pce Power Supply Connector.

1 pce TB807 Modulebus Terminator.

	Support for	Article no.	
TU847 MTU for 1+1 CI840	Non-redundant I/O	3BSE022462R1	

Mounting Accessories

Extra, label set FCI/AC 70/TB
For TB820.

	Article no.	
Front label set FCI/AC 70/TB. Sheet with 12 labels	3BSC970089R1	
Label set, item design. FCI/AC 70/TB. Sheet with 40 labels	3BSC970091R1	

Mounting kit
For vertical mounting of CI801, CI840, and TB840 on a vertical DIN rail.
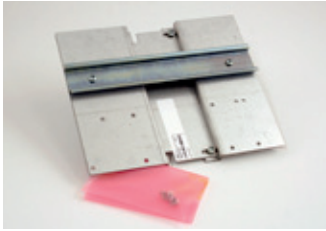
	Article no.	
Mounting kit	3BSE040749R1	

Mounting profile 1800, 2 DIN rails and 1 cable duct
DIN rail length: 1650 mm + 210 mm (65") + (8.3").

	Article no.	
Mounting profile 1800, 2 DIN rails and 1 cable duct	3BSE049768R1	

Al-profile with DIN Rail and Cable Duct, mounting 465 mm (19")
DIN rail length 429 mm (16,9").

	Article no.	
Al-profile with DIN Rail and Cable Duct	3BSE022255R1	

Al-profile with DIN Rail and Cable Duct for RM550
Mounting 592 mm (24").
DIN rail length 556 mm (21,9").
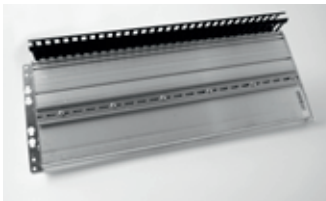
	Article no.	
Al-profile with DIN Rail and Cable Duct for RM550	3BSE022256R1	

Upgrade Kit and Tool Cables

Upgrading of CI801, CI840 orCI840A to latest software version are available for download from ABB Library/Solutions Bank. Item A195 is cable connecting a PC to CI840 or CI840A for download of software. CI801 requires items A195 and A197 for download of software.

TK212A Tool cable

RJ45 (male) to Dsub-9 (female), length 3 m. RJ45 8P8C plug (with shell).
Cable: UL2464 26 AWG x 8C.

		Article no.	
TK212A	Tool cable	3BSC630197R1	

FS801K01 Service adapter kit

Including:
1 pcs Service adapter FS801.
1 pcs cable TK802.
For connection of CI801 to PC. A cable TK212A is also needed.

		Article no.	
FS801K01	Service adapter kit	3BSE038407R1	

S800 I/O Analog Input Modules

AI810 Analog input 1x8 channels
0(4)..20m A, 0..10 V, 12 Bit, single ended, 0.1%, Rated isol. 50 V.
Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU835, TU838, TU850.

		Article no.	
AI810	1x8 channels	3BSE008516R1	

AI815 Analog input 1x8 channels with HART
0(4)..20m A, 0(1)..5 V, 12 bit, single ended, 0.1%, Rated isol. 50 V. Current limited transmitter power distribution. Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU835, TU838, TU850.

		Article no.	
AI815	1x8 channels	3BSE052604R1	

AI820 Analog input 4x1 channels
±20 mA, 0(4)...20 mA, ±10 V, ±5 V, 0(1)...5 V, diff., 50 V CMV,
14 bit + sign. Rin (curr) 250 Ohms, Rated isolation 50 V.
Use Module Termination Unit TU810, TU812, TU814, TU830, TU833.

		Article no.	
AI820	4x1 channels	3BSE008544R1	

AI825 Analog Input 4x1 channels Galvanically isolated
-20..20 mA, 0(4)..20 mA, -10..10 V, 0(2)..10 V, Galvanically isolated channels.
14 Bit + sign, 0.1%, Rated isol. 250 V.
Use Module Termination Unit TU811, TU813, TU831.

		Article no.	
AI825	4x1 channels	3BSE036456R1	

AI830A Analog input 1x8 channels RTD
Pt100, Ni100/120, Cu10, R, Rated isol. 50 V.
Use Module Termination Unit TU810, TU812, TU814, TU830, TU833.

		Article no.	
AI830A	1x8 channels	3BSE040662R1	

AI835A Analog input 8 channels Thermocouple/mV
Rated isol. 50 V.
Use Module Termination Unit TU810, TU812, TU814, TU830, TU833.

		Article no.	
AI835A	8 channels	3BSE051306R1	

S800 I/O Analog Input Modules

AI843 Analog Input. Redundant or Single 1x8 channels Termocouple/mV
Rated isol. 50 V.

Use Modules Termination Unit TU830, TU833, TU842, TU843

		Article no.	
AI843	1x8 channels	3BSE028925R1	

AI845 Analog Input. Redundant or single 1x8 channels HART
0(4)..20 mA, 0(1)..5 V, 12 bit, single ended, 0.1%, Rated isol. 50 V. Current limited transmitter power distribution. Advanced on-board diagnostics.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU835, TU838, TU844, TU845.

		Article no.	
AI845	1x8 channels	3BSE023675R1	

AI890 Analog Input 1x8 channels with Intrinsic Safety Interface
0 (4)...20 mA single ended 0,1%. Rated isol. 50 V.

Use Module Termination Unit TU890 or TU891.

		Article no.	
AI890	1x8 channels	3BSC690071R1	

AI893 Analog Input 8 channels. Temp. measuring. Intrinsic Safety Interface.
For TC and RTD sensors. Rated isol. 50 V.

Use Module Termination Unit TU890 or TU891.

		Article no.	
AI893	8 channels	3BSC690141R1	

AI895 Analog Input 1x8 channels with Intrinsic Safety and HART.
4...20 mA single ended 0,1%. Rated isol. 50 V.

Use Module Termination Unit TU890 or TU891.

		Article no.	
AI895	1x8 channels	3BSC690086R1	

S800 I/O Analog Output Modules

AO810V2 Analog Output 1x8 channels, 0(4)...20 mA

0(4)..20 mA, 14 bit RLmax 500/850 Ohms, Rated isolation 50 V.
Use module Termination Unit TU810, TU812, TU814, TU830 or TU833.

		Article no.	
AO810V2	1x8 channels	3BSE038415R1	

AO815 Analog Output 1x8 channels with HART

4..20 mA, 12 bit, 0.1%, RLmax 750 ohm, Rated isol. 50 V.
Use Module Termination Unit TU810, TU812, TU814, TU830 or TU833.

		Article no.	
AO815	1x8 channels	3BSE052605R1	

AO820 Analog Output 4x1 channels

±20 mA, 0(4)...20 mA, ±10 V, 12 bit + sign. Indiv. isol. ch. RL max 500 Ohms, Rated isol. 50 V.
Use Module Termination Unit TU810, TU812, TU814, TU830, TU833.

		Article no.	
AO820	4x1 channels	3BSE008546R1	

AO845A Analog Output Redundant or single 1x8 channels HART

4..20 mA, 12 bit, 0.1%, RLmax 750 ohm, Rated isol. 50 V.
Advanced on-board diagnostics.
Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU842, TU843.

		Article no.	
AO845A	1x8 channels	3BSE045584R1	

AO890 Analog Output 1x8 channels with Intrinsic Safety Interface

0 (4)...20 mA 0,1%. RL max 750 ohm, Rated isol. 50 V.
Use Module Termination Unit TU890 or TU891.

		Article no.	
AO890	1x8 channels	3BSC690072R1	

AO895 Analog Output 1x8 channels with Intrinsic Safety and HART

4...20 mA 0,1%. RL max 750 ohm, Rated isol. 50 V.
Use Module Termination Unit TU890 or TU891

		Article no.	
AO895	1x8 channels	3BSC690087R1	

S800 I/O Digital Input Modules

DI810 Digital Input 24 V d.c. 2x8 channels

Rated isolation 50V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU838.

		Article no.	
DI810	2x8 channels	3BSE008508R1	

DI811 2x8 channels 48 V Digital input

48 Vd.c. 2x8 ch, Rated isol. 50 V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU838.

		Article no.	
DI811	2x8 channels	3BSE008552R1	

DI814 Digital Input 24 V d.c. Current Source 2x8 channels

Rated isol. 50 V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU838.

		Article no.	
DI814	2x8 channels	3BUR001454R1	

DI820 Digital Input, 120 V a.c.

8x1 ch, Rated isol. 250 V.

Use Module Termination Unit TU811, TU813, TU831.

		Article no.	
DI820	8x1 channels	3BSE008512R1	

DI821 Digital Input 230 V a.c.

8x1 ch, Rated isol. 250 V.

Use Module Termination Unit TU811, TU813, TU831.

		Article no.	
DI821	8x1 channels	3BSE008550R1	

DI825 Digital Input 1x8 channels, 125 V d.c. SOE

Individually Isolated channels, Rated isol. 250 V.

Use Module Termination Unit TU811, TU813, TU831.

		Article no.	
DI825	1x8 channels	3BSE036373R1	

S800 I/O Digital Input Modules

DI830 Digital Input 24 V d.c. SOE

2x8 ch, Rated isol. 50 V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU838.

		Article no.	
DI830	2x8 channels	3BSE013210R1	

DI831 Digital Input 48 V d.c., SOE

2x8 ch, Rated isol. 50 V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU838.

		Article no.	
DI831	2x8 channels	3BSE013212R1	

DI840 Digital Input. Redundant or single, 24 V d.c., 1x16 channels

Advanced On-Board diagnostics. Rated isol. 50 V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU838, TU842, TU843.

		Article no.	
DI840	1x16 channels	3BSE020836R1	

DI885 Digital Input 24/48 V d.c., SOE

1x8 ch, Rated isol. 50 V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833.

		Article no.	
DI885	1x8 channels	3BSE013088R1	

DI890 Digital Input 8x1 channels with Intrinsic Safety Interface

Rated isol. 50 V.

Use Module Termination Unit TU890 or TU891.

		Article no.	
DI890	8x1 channels	3BSC690073R1	

S800 I/O Digital Output Modules

DO810 Digital Output 24 V d.c.

2x8 ch 0.5 A, Short circuit proof, Rated isol. 50 V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833.

		Article no.	
DO810	2x8 channels	3BSE008510R1	

DO814 Digital Output current sinking

2x8 ch 0,5 A , shortcut circuit proof, Rated isol. 50 V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU838.

		Article no.	
DO814	2x8 channels	3BUR001455R1	

DO815 Digital Output 24 V d.c

2x4 ch, 2.0 A short circuit proof. Rated isolation 50 V.

Use Module Termination Unit TU810, TU812, TU814, TU830, TU833.

		Article no.	
DO815	2x4 channels	3BSE013258R1	

DO820 Digital Output, Relay. Normal open

8x1 ch, 24-230 V a.c. 3 A, cos phi > 0.4, d.c. 42 W, Rated isol. 250 V.

Use Module Termination Unit TU811, TU813, TU831, TU836, TU837.

		Article no.	
DO820	8x1 channels	3BSE008514R1	

DO821 Digital Output, Relay. Normal closed

8x1 ch, 24-230 V a.c. 3 A, cos phi > 0.4, d.c. 42 W, Rated isol. 250 V.

Use Module Termination Unit TU811, TU813, TU831, TU836, TU837.

		Article no.	
DO821	8x1 channels	3BSE013250R1	

S800 I/O Digital Output Modules

DO840 Digital Output. Redundant or single
24 V d.c., 0.5 A. 2x8 ch. Advanced On-board diagnostics. Rated isol. 50 V.
Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU842, TU843.

		Article no.	
DO840	2x8 channels	3BSE020838R1	

DO890 Digital Output 4x1 channels with Intrinsic Safety Interface
Rated isol. 50 V.
Use Module Termination Unit TU890 or TU891.

		Article no.	
DO890	4x1 channels	3BSC690074R1	

Pulse Counting Modules

DP820 Pulse Counter RS-422, Current, 5 V, (12 V), 24 V
2 ch bidirectional pulse counters and frequency measurement. 1,5 MHz Rated isol 50 V.
Use Module Termination Unit TU810, TU812, TU814, TU830, TU833.

		Article no.	
DP820	2 channels	3BSE013228R1	

DP840 Pulse Counter or Frequency Measurement Module. Redundant or single
1x8 ch, 20 kHz. Rated isol. 50 V.
Use Module Termination Unit TU810, TU812, TU814, TU830, TU833, TU842, TU843, TU844, TU845.

		Article no.	
DP840	1x8 channels	3BSE028926R1	

Label sets for I/O Modules

Label sets for I/O Modules
Extra front label set I/O-box 16, 8 or 4 channels.
Sheet with 12 labels for 16, 8, 4 channels I/O modules.

Label set I/O-box	Article no.	
Extra front label set I/O-box 16 channels	3BSC970087R1	
Extra front label set I/O-box 8 channels	3BSC970088R1	
Label set I/O-box 4 channels	3BSC970306R1	

Module Termination Units

TU805K01 Termination Units for two or three wire connection of DI801 and DO801

Include 10 pcs of Termination Unit TU805.

	Article no.	
TU805K01	3BSE035990R1	

Compact Module Termination Unit, MTU, 50 V

TU810V1	2x8 signal terminals, rated isolation 50 V.
TU812V1	With 25 pin D-sub connector. Rated isolation 50 V.
	D-sub (female) connector is not enclosed.
TU814V1	2x8 signal terminals. Rated isolation 50 V.
	Detachable (pluggable) connectors are enclosed.

	Article no.	
TU810V1	3BSE013230R1	
TU812V1	3BSE013232R1	
TU814V1	3BSE013233R1	

Compact Module Termination Unit, MTU, 250 V

TU811V1	1x8 signal terminals. Rated isolation 250 V.
TU813	2x8 signal terminals. Rated isolation 250 V.
	Detachable (pluggable) connectors are enclosed.

	Article no.	
TU811V1	3BSE013231R1	
TU813	3BSE036714R1	

Module Termination Units

Extended Module Termination Unit, 50 V
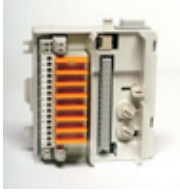
TU830V1	2x16 signal terminals. Rated isolation 50 V.
TU833	2x16 signal terminals. Rated isolation 50 V. Spring-cage terminals.
TU835V1	8 fused power outlets, 8 signal terminals. Rated isolation 50 V.
TU838	2x4 fused transducer power outlets, 16 signal terminals, 2x4 return terminals, 2x2 L+, 2x2 L- terminals. Rated isolation 50 V. Module is mounted horizontally.
TU850	2x8 signal terminals and 2x8 disconnetable current limited sensor/transmitter outlet power terminals. Rated isolation 50 V.

	Article no.	
TU830V1	3BSE013234R1	
TU833	3BSE038726R1	
TU835V1	3BSE013236R1	
TU838	3BSE008572R1	
TU850	3BSE050930R1	

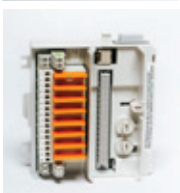**Extended Module Termination Unit, MTU, 250 V**

TU831V1	2x8 signal terminals. Rated isolation 250 V.
TU836V1	2x4 fused signals, 2x4 return terminals, 2x2 L 2x2 N terminals. Rated isolation 250 V.
TU837V1	8x1 fused isolation signals, 8x1 L terminals, 2x6 N terminals. Rated isolation 250 V.
TU839	2x8 signal terminals. 2x4 fused sensor power. Rated isolation 250 V.

	Article no.	
TU831V1	3BSE013235R1	
TU836V1	3BSE013237R1	
TU837V1	3BSE013238R1	
TU839	3BSE046966R1	

Module Termination Units

Module Termination Unit, MTU, for redundant applications, 50 V

TU842	Used for AO845, DI840, DO840. Horizontal mounted DIN rail. Rated isolation 50 V.
TU843	Used for AO845, DI840, DO840. Vertical mounted DIN rail. Rated isolation 50 V.
TU844	Used with AI845, AI880 and DP840. Horizontal mounted DIN rail. Rated isolation 50 V. Shunt Stick not included.
TU845	Used with AI845, AI880A and DP840. Vertical mounted DIN rail. Rated isolation 50 V. Shunt Stick not included.

	Article no.	
TU842	3BSE020850R1	
TU843	3BSE021443R1	
TU844	3BSE021445R1	
TU845	3BSE021447R1	

TU890 Module Termination Unit for Intrinsic Safety applications

3x9 signal terminals. Rated isolation 50 V. Including wiring separator.

	Article no.	
TU890	3BSC690075R1	

TU891Z Module Termination Unit for non Intrinsic Safety applications

3x9 signal terminals Rated isolation 50 V.

	Article no.	
TU891Z	3BSC840220R1	

Shunt Stick

TY801K01	8 pcs Shunt Stick TY801. 125 + 125 ohms shunt. Used for AI845 and AI880 on TU844, TU845.
TY804K01	8 pcs Shunt Stick TY804. 1000 ohms shunt. Used for DP840 on TU844, TU845.
TY820K01	10 pcs Temperature Sensor TY820. TY820 is a temperature sensor with a PT 100 element. Can be used with AI835/AI835A and AI843 to measure cold junction temperature.

	Article no.	
TY801K01	3BSE023607R1	
TY804K01	3BSE033670R1	
TY820K01	3BSE056980R1	

S800L I/O Analog Modules

AI801 Analog input 1x8 channels

0(4)..20 mA, 12 bit, single ended, 0.1%. Rated isolation 50 V.

		Article no.	
AI801	1x8 channels	3BSE020512R1	

AO801 Analog output 1x8 channels

0(4)...20 mA, 12 bit, RL max 850 Ohm. Rated isolation 50 V.

		Article no.	
AO801	1x8 channels	3BSE020514R1	

S800L I/O Digital Modules

DI801 Digital Input 24 V d.c.

1x16 channels. Rated isolation 50 V.

DI802 Digital Input 120 V a.c./d.c.

8x1 channels. Rated isolation 250 V.

DI803 Digital Input 230 V a.c./d.c.

8x1 channels. Rated isolation 250 V.

		Article no.	
DI801	1x16 channels	3BSE020508R1	
DI802	8x1 channels	3BSE022360R1	
DI803	8x1 channels	3BSE022362R1	

S800L I/O Digital Modules

DO801 Digital Output 16 channels. 24 V d.c. 0.5 A.
Short circuit proof. Rated isolation 50 V.

DO802 Digital Output, Relay. Normal open
8x1 channels. 24-230 V a.c. Rated isolation 250 V.

		Article no.	
DO801	16 channels	3BSE020510R1	
DO802	8x1 channels	3BSE022364R1	

Label sets for S800L I/O Modules

Label Set S800L, 8 or 16 channels
Sheet with 12 labels for 8 or 16 channels I/O modules.

		Article no.	
S800L	16 channels	3BSE019419R1	
S800L	8 channels	3BSE019419R2	

Modulebus Communication Parts

TB805 Bus Outlet

Modulebus extension cable adaptor D-sub 25, female.

One required per extension cable TK801.

TB845 Dual Modulebus outlet

Modulebus extension cable adaptor two D-sub, female.

Two TK801 cables for redundancy.

TB806 Bus Inlet

Modulebus extension cable adaptor D-sub 25, male.

One required per extension cable TK801.

TB846, Dual Modulebus inlet

Modulebus extension cable adaptor two D-sub, male.

Two TK801 cables for redundancy.

		Article no.	
TB805	Bus Outlet	3BSE008534R1	
TB845	Dual Modulebus outlet	3BSE021437R1	
TB806	Bus Inlet	3BSE008536R1	
TB846	Dual Modulebus inlet	3BSE021439R1	

Modulebus Extension Shielded Cable

D-sub 25, male-female.

		Article no.	
TK801V003	0.3 m	3BSC950089R1	
TK801V006	0.6 m	3BSC950089R2	
TK801V012	1.2 m	3BSC950089R3	

Modulebus Communication Parts

TB807 Modulebus terminator

		Article no.	
TB807	Modulebus terminator	3BSE008538R1	

TB820V2 Modulebus Cluster Modem

Optical cluster modem for non redundant operation.
Including:
1 pce Power Supply Connector.
1 pce TB807 Modulebus Terminator.

		Article no.	
TB820V2	Modulebus Cluster Modem	3BSE013208R1	

TB825 Optical Media Converter

Short to long distance optical fibre conversion.
For Modulebus communication up to 1000 m.

		Article no.	
TB825	Optical Media Converter	3BSE036634R1	

TB826 Long Range Optical Media Converter

Short to long distance optical fiber conversion.
For Modulebus communication up to 5000 m, for S800 I/O HI up to 20000 m.

		Article no.	
TB826	Long Range Optical Media Converter	3BSE061637R1	

TB840A Modulebus Cluster Modem

Optical cluster modem for 1+1 redundant operation.

		Article no.	
TB840A	Modulebus Cluster Modem	3BSE037760R1	

TB842 Modulebus Optical Port

Used together with CI801 and CI840, connected via TB806 or TB846.
10 Mbits driver.

		Article no.	
TB842	Modulebus Optical Port	3BSE022464R1	

Modulebus Communication Parts

TU807 Termination Unit for TB840/TB840A

Support for single modulebus I/O.
Including:
1 pcs TB807

TU840 Termination Unit for 1+1 TB840. Support for redundant I/O

Including:
1 pce Power Supply Connector.
2 pce TB807 Modulebus Terminator.

TU841 Termination unit for 1+1 TB840. Support for non-redundant I/O

Including:
1 pce Power Supply Connector.
1 pce TB807 Modulebus Terminator.

TU848 MTU with individual power supply for red. TB840/TB840A.
Support for dual Modulebus.

Including:
2 pcs TB807.

TU849, MTU with individual power supply for red. TB840/TB840A.
Support for single Modulebus.

Including:
1 pcs TB807.

		Article no.	
TU807		3BSE039025R1	
TU840		3BSE020846R1	
TU841		3BSE020848R1	
TU848		3BSE042558R1	
TU849		3BSE042560R1	

POF Cables Duplex plastic fibre

Latching Duplex connector.

		Article no.	
TK811V015	L = 1.5 m	3BSC950107R1	
TK811V050	L = 5 m	3BSC950107R2	
TK811V150	L = 15 m	3BSC950107R3	

POF Cables Simplex plastic fibre

Latching Simplex connector.

		Article no.	
TK812V015	L = 1.5 m	3BSC950118R1	
TK812V050	L = 5 m	3BSC950118R2	
TK812V150	L = 15 m	3BSC950118R3	

Power Supply and Voters

SD822Z Power Supply Device, G3 Compliant

Input 115/230 V a.c. switch selectable, output 24 V d.c., 5 A.

If redundant power application is required connect to SS822Z Voting Unit.

Width = 65 mm. DIN rail mounted.

		Article no.	
SD822Z	Power Supply Device, G3 Compliant	3BSC610054R1	

SS822Z Power Voting Unit, G3 Compliant

With dual 24 V d.c 20 A inputs, single 24 V d.c. 20 A output. Each power input supervised.
Used if redundant power supply is required. For use with power supply SD822Z.

Width = 50 mm. DIN rail mounted.

		Article no.	
SS822Z	Power Voting Unit , G3 Compliant	3BSC610055R1	

SD831 Power Supply Device, G2 Compliant

Input a.c. 100-240 V or d.c. 110-300 V. Output d.c. 24 V 3 A.

If redundant power application is required connect to SS8XX. Voting Unit.

Width = 35 mm. DIN rail mounted.

		Article no.	
SD831	Power Supply Device, G2 Compliant	3BSC610064R1	

SD832 Power Supply Device, G2 Compliant

Input a.c. 100-120/200-240 V. Output d.c. 24 V 5 A, auto-select input.

If redundant power application is required connect to SD8XX. Voting Unit.

Width = 35 mm. DIN rail mounted.

		Article no.	
SD832	Power Supply Device, G2 Compliant	3BSC610065R1	

SD833 Power Supply Device, G2 Compliant

Input a.c. 100-120/200-240 V, auto-select input. Output d.c. 24 V 10 A.

If redundant power application is required connect to SD8XX. Voting Unit.

Width = 60 mm. DIN rail mounted.

		Article no.	
SD833	Power Supply Device, G2 Compliant	3BSC610066R1	

SD834 Power Supply Device, G2 Compliant

Input a.c. 100-240 V or d.c. 110-300 V. Output d.c. 24 V 20 A.

If redundant power application is required connect to SS8XX. Voting Unit.

Width = 85 mm. DIN rail mounted.

		Article no.	
SD834	Power Supply Device, G2 Compliant	3BSC610067R1	

SS832 Voting Device, G2 Compliant

Input d.c. 24 V. Dual 24 V to single 24 V, 2 x 10 A.

Width = 35 mm. DIN rail mounted.

		Article no.	
SS832	Voting Device, G2 Compliant	3BSC610068R1	

User Documentation

S800 I/O Getting Started

		Article no.	
		3BSE020923-510	

S800 I/O Modules and Termination Units

		Article no.	
		3BSE020924-510	

S800 I/O Fieldbus Communication Interface for PROFIBUS DP/DPV1

		Article no.	
		3BSE020926-510	

S800 I/O Modules and Termination Units with Intrinsic Safety Interface

		Article no.	
		3BSE020927-510	

S200 I/O Hardware

		Article no.	
		3BSE021356R4101	

AC 800M 5.0, 5.1 Interfacing SATT I/O

		Article no.	
		3BSE042821R5001	

Compact 800
Software Management Program

ABB's Compact 800 software is continuously enhanced and further improved. Automation Sentinel is the software management program for our Compact 800 products and the easiest way to profit from these improvements. It is intended to help customers manage and maintain their system software to take advantage of the continuous improvements and enhancements being made to our software. A twelve (12) month Sentinel agreement starting with the date of shipment from the factory is included with each new Compact 800 software delivery. This twelve (12) month agreement will automatically be extended an additional six (6) months if customer contact information is provided as indicated in the Automation Sentinel Product guide. In addition to this, the base subscription now includes a limited number of technical support hours. The amount of hours provided is based on the system type as described below. These hours are being provided to support the customer for any updated or upgrades they receive during the validity of the subscription.

Also included with the Sentinel subscription is a Solution Bank Sentinel subscription, this will provide customers with auto notification of new releases, techinfobank, on-line documentation and downloads.

Before the agreement expires a Sentinel renewal needs to be ordered to continue receiving updates to the existing software and maintain the option of evolution in the future. These renewals are valid for a period of 12 months and run consecutively from the previous subscription. Failure to renew the Sentinel subscription will cause all updates and enhancements to our software to no longer be provided to the customer. Once the subscription has expired the options to rejoin the Automation Sentinel program is the purchase of Sentinel using the buy-in program in effect at the time or the purchase of new system software.

Articles for Automation Sentinel Renewal Program are listed below. If you need more information or information about other Automation Sentinel Programs please contact your local sales person or visit www.abb.com/controlsystems.

Compact HMI 800

Automation Sentinel Upgrade

	Article no.	
Automation Sentinel Upgrade	3BSE047992R1	

Compact Control Builder AC 800M

Automation Sentinel Upgrade

Select Automation Sentinel Upgrade item to indicate upgrade of product with Automation Sentinel or SoftCare subscription.

	Article no.	
Automation Sentinel Upgrade Automation Sentinel agreement number or SoftCare id shall be given at ordering.	3BSE047992R1	
Media Box with Compact Control Builder AC 800M and OPC server for AC 800M 5.1 This item can be ordered by users with a valid Automation Sentinel agreement for Compact Control Builder AC 800M or OPC Server for AC 800M. It includes media and documentation for Compact Control Builder AC 800M and OPC server for AC 800M. No license is included.	3BSE046066R51	

Panel Builder 800

Automation Sentinel Upgrade

	Article no.	
Automation Sentinel Upgrade Automation Sentinel agreement number shall be given at ordering.	3BSE047992R1	
Panel Builder 800, for upgrades only Media folder with Panel Builder 800 containing the latest version of: – Panel Builder 800 and Panel Tools – Firmware for panels – Manuals as pdf-files – Release Notes – Renewed license This item can be ordered by users with a valid Automation Sentinel agreement for Panel Builder 800.	3BSE052516R1	

Notes

Notes

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