Input / Output Options (continued)

Name	Description	Field Kit Code	Plus Code	List Price
External Isolated Analog & Digital I/O	This kit provides both the SDCS-IOB-23 board and the SDCS-IOB-3 board with all required cables in one kit. Please see related descriptions above for specific features. The kit includes 3 cables total, 2 for connected to the drive unit and 1 for interconnection between the IOB boards.	SDCS-IOB-23 / IOB-3 2 CABLES	NA	$1,184
Analog I/O Extension Module	The Analog I/O Extension module offers two unipolar current (0[4]…20 mA) or bipolar voltage (±0[2]…10 V or ±0…2 V) inputs and two unipolar current (0[4]-20 mA) outputs. Analog unipolar inputs are 12 bit resolution. Bipolar inputs are 11 bit resolution. Analog outputs are 12 bit resolution. The analog inputs and outputs are galvanically isolated as a group, from each other and the power supply. This option, when installed internally to the ACS 800, uses 120 mA of the available 250 mA power supply.	RAIO-01-KIT	+L500	$465
Digital I/O Extension Module	The Digital I/O Extension module offers three digital inputs (24…250 Vdc or 110…230 Vac) and two relay outputs (1250 VA/250 Vac or 5 A/24 Vdc). The isolation voltage between the digital inputs, digital outputs and power supply is 2.5 kV (1.5 kV between DI2 and DI3). This option, when installed internally to the DCS800, uses 30 mA of the available 250 mA power supply.	RDIO-01-KIT	+L501	$465
I/O Extension Adapter * Requires DDCS Communication	The I/O extension adapter adds support for 3 additional (R) type adapters for the DCS800. This module is mounted by the user external from the drive unit. Adapter is DIN rail mountable . The SDCS-COM-8x is required for support of this option	AIMA-01-KIT	NA	$730

NOTES:

1, A maximum of three (3) Rxxx type options are allowed. If additional options are required, the AIMA-01 extension adapter is required.

2, When the SDCS-COM-8x is installed in the drive, only two (2) Rxxx type options can be installed inside the drive.

3, Factory installed options will extend lead time, Order as field kit in separate line item for quick ship from stock.

FieldBus Communication Options

Name	Description	Field Kit Code	Plus Code	List Price
DeviceNet Adapter	The DeviceNet network uses a linear bus topology. Terminating resistors are required on each end of the trunk line. Drop lines as long as 6 meters (20 feet) each are permitted, allowing one or more nodes to be attached. DeviceNet allows branching structures only on drop lines.	RDNA-01-KIT	+K451	$465
ProfiBus-DP Adapter	ProfiBus is an open serial communication standard that enables data exchange between automation components. The transmission medium of the bus is a twisted pair cable (according to RS-485 standard). The maximum length of the bus cable is 100 to 1200 meters, depending on the transmission rate. Up to 31 stations can be connected to the same PROFIBUS system without use of repeaters.	RPBA-01-KIT	+K454	$465
ModBus Adapter	ModBus is a serial, asynchronous protocol. The ModBus protocol does not specify the physical interface. Typical physical interfaces are RS-232 and RS-485. The RMBA-01 provides a galvanically isolated RS-485 interface. ModBus is designed for integration with Modicon PLCs or other automation devices, and the services closely correspond to the PLC architecture. The RMBA-01 supports the RTU protocol only.	RMBA-01-KIT	+K458	$465
ControlNet Adapter	The ControlNet network uses a RG-6 quad shielded cable or fiber with support for media redundancy. The RCNA-01 Adapter module supports only RG-6 quad shielded cable (coax) for the bus connection. ControlNet is flexible in topology options (bus, tree, star) to meet various application needs. The fieldbus speed is 5 Mbits/s. The RCNA-01 ControlNet Adapter module can not originate connections on its own, but a scanner node can open a connection towards it. The ControlNet protocol is implemented according to the ControlNet international specification for a Communication adapter.	RCNA-01-KIT	+K462	$650

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FieldBus Communication Options (continued)

Name	Description	Field Kit Code	Plus Code	List Price
EtherNet Adapter * New offering, check with factory for availability	The RETA-01 module supports the Modbus/TCP and EtherNet/IP network protocols. Modbus/TCP is a variant of the Modbus family of simple, vendor neutral communication protocols intended for supervision and control of automation equipment. EtherNet/IP is based on the Common Industrial Protocol (CIP), which is also the framework for both the ControlNet and DeviceNet networks. The RETA-01 supports 10/100 Mbps transfer rate with network connection made with standard RJ-45 connector.	RETA-01-KIT	+K466	$695
EtherNet Enhanced Adapter * Requires DDCS Communication	The NETA-01 Ethernet Adapter module is an optional device for browser-based remote monitoring of ABB drives via Ethernet. Multiple drives (up to 9) can be connected to the network through the DDCS Branching Unit (NDBU-85/95) or using ring topology with the NETA-01 Ethernet Adapter module.	NETA-01-KIT	NA	$1,550

NOTES:
1, A maximum of three (3) Rxxx type options are allowed. If additional options are required, the AIMA-01 extension adapter is required.
2, When the SDCS-COM-8x is installed in the drive, only two (2) Rxxx type options can be installed inside the drive.
3, Factory installed options will extend lead time, Order as field kit in separate line item for quick ship from stock.

Control Panel & Panel Accessories

Name	Description	Field Kit Code	Plus Code	List Price
Control Panel	DCS800 control panel - included in all drives	DCS800-PAN	NA	$230
Cabinet Panel Mounting	Control Panel Mounting Platform allows remote mounting of the keypad on an enclosure or remote panel. The kit maintains UL Type 12 integrity of the mounting location. Adapters, 3 m (10 ft) cable and mounting hardware are included in this kit. With this mounting arrangement, the keypad is removeable from the panel in a fashion identical to a drive-mounted keypad	OPMP-01	NA	$138
Panel Extension Cable	7 foot CAT patch cable allows remote operation of the standard panel or connection of the drive to a PC using the RJ45/DB9 Adapter which must be purchased seperately.	OCAT-01	NA	$40
Cabinet Panel Mounting	Panel mounting platform for CDP312RD is NEMA 12 rated, includes the 3 meter cable. (Requires SDCS-COM-8x) Maximum door panel thickness 14ga (2.5mm)	RPMP-11	NA	$305
Cabinet Panel Mounting	Legacy Panel mounting platform for the CDP312RD, includes 3 meter cable. This panel mounting is larger than the RPMP-11. It includes screw mounting for larger gauge steel panels and NEMA 12 rated gasket. The CDP312RD panel must be purchased separately.	NPMP-01-KIT	NA	$345
Optional Control Panel	CDP312RD Control panel option. Requires additional mounting platform and SDCS-Com-8x drive interface card.	CDP312RD	NA	$344