

Input / Output Options				
Name	Description	Field Kit Code	Plus Code	List Price
Drive to Drive Communication	The DSL board provides a drive to drive communication dedicated to the DCS800, based on CAN bus. This communication adapter is also used in 12-pulse operation and communication / control of external field. This board is standard in all D5-D7 frames and all frames rated 600vdc or greater.	SDCS-DSL-4	+S199	\$234
DDCS Communications	Fiber optic communication interface board and CDP312RD panel support <ul style="list-style-type: none"> • CH 0 - 10Mb - overriding system control (APC2, AC80, etc.) • CH 1 - 5Mb - is used for DDCS I/O extension. AIMA-01 • CH 2 - 10Mb - Master-Follower link (drive to drive) • CH 3 - 10Mb - PC tool such as DriveWindow • X19 is used for CDP312RD panel for Master-Follower interface to ACS800 use the RDCO-01C or -02C	SDCS-COM-81	+L508	\$768
DDCS Communications	Fiber optic communication interface board and CDP312RD panel support <ul style="list-style-type: none"> • CH 0 - 5Mb - overriding system control (APC2, AC80, Nxxx module) • CH 1 - 5Mb - is used for DDCS I/O extension. AIMA-01 • CH 2 - 10Mb - Master-Follower link (drive to drive) • CH 3 - 10Mb - PC tool such as DriveWindow • X19 is used for CDP312RD panel for Master-Follower interface to ACS800 use the RDCO-01C or -02C	SDCS-COM-82	+L509	\$768
External Isolated Digital I/O	Replaces the standard digital inputs and outputs with 8 DI/O points externally mounted with input voltage level of 24...48V DC The inputs are filtered and galvanically isolated by using opto-couplers. Inputs can form 2 galvanically separated groups by using X7:1 or X7:2. The outputs 1-5 & 8 are NO relay contacts and outputs 6&7 are potential isolated by opto-coupler with 24vdc sourced externally. Terminals X6 & X7 on the main control must not be used when a SDCS-IOB-2x board is installed.	SDCS-IOB-21 w/1 CABLE	NA	\$583
External Isolated Digital I/O	Replaces the standard digital inputs and outputs with 8 DI/O points externally mounted with input voltage level of 115 V AC The inputs are filtered and galvanically isolated by using opto-couplers. Inputs can form 2 galvanically separated groups by using X7:1 or X7:2. The outputs 1-5 & 8 are NO relay contacts and outputs 6&7 are potential isolated by opto-coupler with 24vdc sourced externally. Terminals X6 & X7 on the main control must not be used when a SDCS-IOB-2x board is installed.	SDCS-IOB-22 w/1 CABLE	NA	\$583
External Isolated Digital I/O	Replaces the standard digital inputs and outputs with 8 DI/O points externally mounted with input voltage level of 230 V AC The inputs are filtered and galvanically isolated by using opto-couplers. Inputs can form 2 galvanically separated groups by using X7:1 or X7:2. The outputs 1-5 & 8 are NO relay contacts and outputs 6&7 are potential isolated by opto-coupler with 24vdc sourced externally. Terminals X6 & X7 on the main control must not be used when a SDCS-IOB-2x board is installed.	SDCS-IOB-23 w/1 CABLE	NA	\$583
External Isolated Analog I/O	This board consists of the 5 analog inputs, 3 analog outputs, the galvanically isolated pulse encoder interface and a current source for temperature measuring devices. The analog tachometer on the main control must not be used when a SDCS-IOB-3 board is installed.	SDCS-IOB-3 w/2 CABLES	NA	\$618
External Isolated Analog & Digital I/O	This kit provides both the SDCS-IOB-21 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-21 / IOB-3 2 CABLES	NA	\$1,184
External Isolated Analog & Digital I/O	This kit provides both the SDCS-IOB-22 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-22 / IOB-3 2 CABLES	NA	\$1,184

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 ($\pm 0[2]$...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