

Product note

DCS800-A Rapido Cabinet

Benefits of DCS800-A Rapido Cabinet (single drive)

Fast delivery

The delivery time of a DCS800-A Rapido is faster compared to a common DCS800-A enclosed converter. This saves time during the order and the manufacturing, so the availability is very high. For a limited amount 10 working days.

Easy ordering

The DCS800-A Rapido includes all components which are necessary for a standard drive application. It's easy to order because the package includes all relevant components for a complete cabinet. Only the required converter power and nominal voltage has to be selected from the delivery program.

Typical applications for a "Rapido" drive

The "DCS800-A Rapido Cabinet" is designed for standard motor applications.

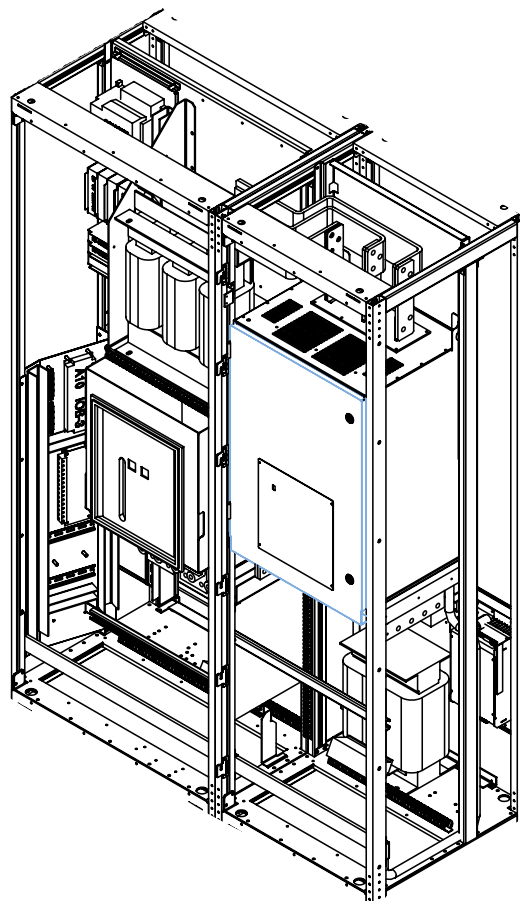
Scope of delivery

Enclosed MNS Cabinet

- Control panel in a door (snap-in)
- Hot zinc galvanized frame body (protection class IP21 - IP42)
- Armature current and voltage meter
- Emergency stop button in door (safety category 954B)
- Galvanic isolated digital and analog interfaces as IOB-3 and IOB-23
- AUTOCAD 2005 drawings on CD-ROM
- CE mark

Converter module

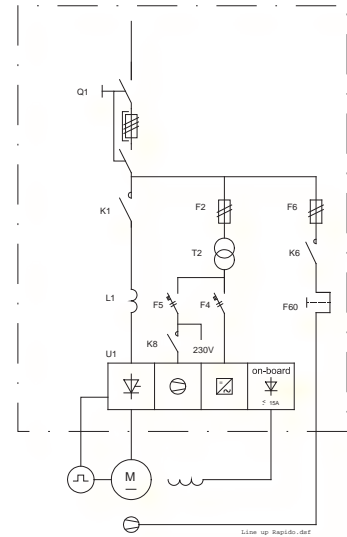
- 125 A up to 1000 A (size D1 to D4) with fuse switch and contactor and On-board field exciter from 6 A_{DC} up to 25 A_{DC}
- 1200 A up to 1500 A (size D5) with air circuit breaker Sace Emax plus installed field exciter
- Options: RDIO/RAIO I/O Extension modules, Fieldbus modules
- **Main circuit** (according to single line diagram)
- Standard line choke (3-phase)
- Motor fan starter Type 1 (400...690 V; 0.63...6.3 A) - select correct rating



Delivery program of DCS800-A Rapido Cabinet

Unit type	DC I [A]	int. field current [A]	Frame size	Single drive		
				Height [mm]	Depth [mm]	Width [mm]
400 V / 525 V 2-quadrant						
DCS800-A01-0125-04/05-DEBN	115	6	D1	2120	600	600
DCS800-A01-0315-04/05-DEBN	285	20	D3	2120	600	600
DCS800-A01-0610-04/05-DEBN	540	25	D4	2120	600	800
DCS800-A01-0900-04/05-DEBN	810	25				
DCS800-A01-1200-04/05-DEBN	1140	25 *	D5	2120	600	1400
DCS800-A01-1500-04/05-DEBN	1425	25 *				
400 V / 525 V 4-quadrant						
DCS800-A02-0140-04/05-DEBN	125	6	D1	2120	600	600
DCS800-A02-0350-04/05-DEBN	300	20	D3	2120	600	600
DCS800-A02-0680-04/05-DEBN	600	25	D4	2120	600	800
DCS800-A02-1000-04/05-DEBN	900	25				
DCS800-A02-1200-04/05-DEBN	1140	25 *	D5	2120	600	1400
DCS800-A02-1500-04/05-DEBN	1425	25 *				

* Field supply max. 500 V_{AC}



Size D1...D4
example for single line

List of options

Field bus systems

- RPBA-01 Profibus interface
- RCAN-01 CANopen interface
- RDNA-01 DeviceNet interface
- RMBA-01 Modbus interface
- RCNA-01 ControlNet interface
- RETA-01 Ethernet Adapter Module

Fast optical DDCS communication module

- SDCS-COM-81 communication board
- Fiber optical cable in selectable length

IEC 61131 programming

- SDCS-MEM-8 Memory Card

Further options

- Anticondensation heater
- Extra cubicle
- Special name plate text
- Drawing and part list on CD
- Insect screen in air inlet/outlet (IP31)
- Air inlet filters (IP41)

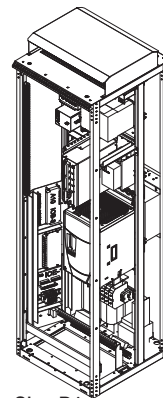
Reference

Detailed documentation, see DCS800-A Technical catalog

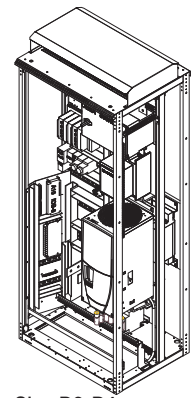
Publication no.:

3ADW000198R0101

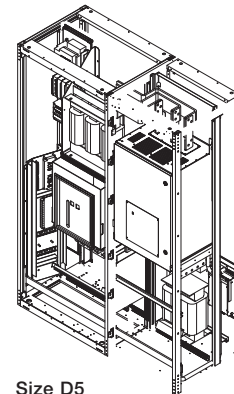
In parallel our ABB DC motor factory in Vesteras, Sweden offers also several DC motors quasi on stock!



Size D1
0025...0350



Size D3-D4
0610...1000



Size D5
1200...1500

For more information please contact:

www.abb.de/motors&drives
dc-drives@de.abb.com

Power and productivity
for a better world™

