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 $6 \text{ A}_{bc}$ up to $25 \text{ A}_{bc}$
- 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

<table>
<thead>
<tr>
<th>Unit type</th>
<th>DC I</th>
<th>int. field current [A]</th>
<th>Frame size</th>
<th>Single drive</th>
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<td>DCS800-A01-0125-04/05-DEBN 400 V / 525 V 2-quadrant</td>
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</table>

Field bus systems
- RPBA-01 Profibus interface
- RCAN-01 CANopen interface
- RDNA-01 DeviceNet interface
- RMBX-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!

For more information please contact:
www.abb.de/motors&drives
dc-drives@de.abb.com

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