

DCS800-EP1 and DCS800-EP2 Panel Drive

10 – 150 HP, 230/480 Vac

The DCS800 Panel Drive is a pre-engineered solution for quick and easy design and installation. All required peripheral components are included on a space-efficient back panel, ready to be mounted into an industrial enclosure, saving time of procuring, mounting and wiring individual system components. The drive is an excellent replacement for the Reliance Electric® FlexPak® 3000. It has the same bolt pattern, similar features, and fits within the FlexPak® 3000 clearance area.



The drive includes the same DCS800-S01/S02 module customers have become familiar with. It also includes AC and DC fusing, contactor, and control transformer. Optional features include circuit breaker, internal line reactor, and blower motor contactor and overload.

The drive meets UL 508A with a 65 kA short circuit current rating (SCCR). It is pre-wired and pre-tested to make installation and start up go quickly. It has a dry auxiliary contact for the main contactor accessible from the terminal strip and allows tool access to individual components within.

Highlights

- Space efficient multilevel panel
- Easy to maintain
- Pre-wired, pre-tested solution for smooth start ups
- Greatly simplifies the procurement process
- Module can be replaced without replacing the entire panel
- Dynamic brake ready, 400 – 600 hp
- Integral ABB AC contactor up to 300 HP;
- ABB DC contactor 400 to 600 HP
- UL Listed with 65 kA SCCR

Voltage and Power Range

- 460 Vac, factory or field convertible to 230 Vac
- 10 to 500 HP with heavy duty overload ratings (150 pct for 60 sec.)
- 600 HP with normal duty ratings (110 pct for 60 sec.)

Applications

- Extruders
- Steel mills
- Pipe mills
- Retrofits

Options

- Integral line reactor up to 150 HP
- Circuit breaker, ABB Tmax MCP
- Blower motor contactor and overload, ABB A-line, for blowers from ½ to 15 HP
- Without AC contactor
- 230 Vac supply

Optional Blower Motor
Contactor with Overload

Easy Access to Control Fuses

AC Fuses Below Starter

Optional Line Reactor
(10-150 hp)

Control Transformer

Top Access to AC Power and DC
Motor Terminals

Optional Circuit Breaker

DC Fuses (regen) Below
Circuit Breaker

Standard DCS800 Drive Module



DCS800-PHPB02U-EN REV A

Non-Regenerative (2Q)	Regenerative (4Q)	HP at 230 V	HP at 460 V	AC Amps	DC Amps	Height	Width	Depth
DCS800-EP1-0020-05	DCS800-EP2-0025-05	5	10	14	17	18.8	12.2	14.4
DCS800-EP1-0045-05	DCS800-EP2-0050-05	10	20	29	35	18.8	12.2	14.4
DCS800-EP1-0065-05	DCS800-EP2-0075-05	15	30	43	53	18.8	12.2	14.4
DCS800-EP1-0090-05	DCS800-EP2-0100-05	20	40	55	68	18.8	12.2	14.4
DCS800-EP1-0125-05	DCS800-EP2-0140-05	30	60	85	104	18.8	12.2	14.4
DCS800-EP1-0180-05		30	75	102	125	19.3	20.0	13.8*
	DCS800-EP2-0200-05	50	100	134	164	19.3	20.0	13.8*
DCS800-EP1-0230-05	DCS800-EP2-0260-05	60	125	167	205	19.3	20.0	13.8*
DCS800-EP1-0315-05	DCS800-EP2-0350-05	60	150	200	245	19.3	20.0	13.8*
DCS800-EP1-0405-05	DCS800-EP2-0450-05	100	200	265	325	33.5	20.3	17
DCS800-EP1-0470-05	DCS800-EP2-0520-05	125	250	330	405	33.5	20.3	17
DCS800-EP1-0610-05	DCS800-EP2-0680-05	150	300	392	480	33.5	20.3	17
DCS800-EP1-0740-05	DCS800-EP2-0820-05		400	522	640	36	20.3	20
DCS800-EP1-0900-05	DCS800-EP2-1000-05		500	649	795	36	20.3	20
	DCS800-EP2-1010-05**		600	775	950	36	20.3	20

Overload: 150% for 60 seconds.

*19.3 inch depth when internal reactor option is included

**Overload: 110% for 60 seconds.

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