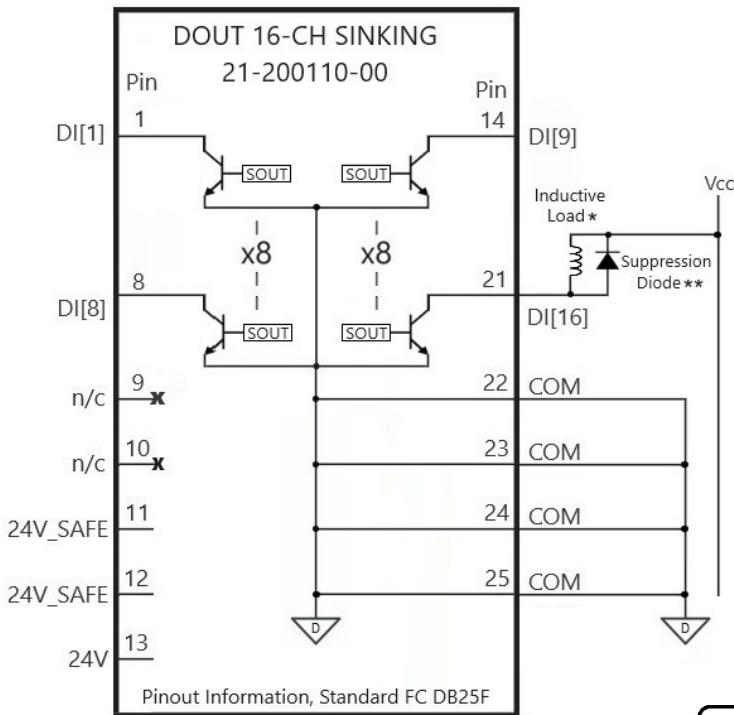
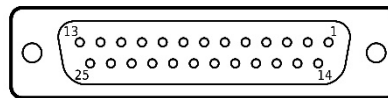


Description

The Sinking Digital Output (DOUT) slot card has 16 sinking/NPN digital output channels. Each output channel can sink a maximum of 0.5A and is protected against short circuits and general overloads. Inductive loads can be driven directly*. See specification table for inductive protection details. A flyback diode is required when switching inductive loads**.



Specifications	
Electrical	
Slot Card Type	Digital Out
No. of channels	16
Output Type	Sinking
Max Input Voltage	36V
Max Output Current (per channel)	0.5A
Max Total Current Output (all channels)	4A
Max leakage current (output OFF)	1 uA
Max voltage drop (all channels, 0.5A)	2.5V
Max voltage drop (single channel, 0.5A)	0.5V
Max short circuit current	0.8A
Max switched inductive load energy	120 mJ, single pulse
Max Rise Time (typ.)	10 μs
Max Fall Time (typ.)	15 μs
Default Output State at Power-up (all channels)	OFF (High-Z)
Power Consumption (channels off)	0.05W
Output Update Rate	8 kHz
Protection	
Over-current	Yes. With auto-restart
Thermal Shutdown	Yes. With auto-restart



Pinout Standard Field Connect			
DSUB pin	Function	DSUB pin	Function
1	DO[1]	14	DO[9]
2	DO[2]	15	DO[10]
3	DO[3]	16	DO[11]
4	DO[4]	17	DO[12]
5	DO[5]	18	DO[13]
6	DO[6]	19	DO[14]
7	DO[7]	20	DO[15]
8	DO[8]	21	DO[16]
9	n/c	22	COM
10	n/c	23	COM
11	24V_SAFE	24	COM
12	24V_SAFE	25	COM
13	24V		

