EDR82633 – Brake "Hog Pusher" Control Module

http://www.vsholding.com

Technology for people's ideas

Relaible and Precision Solid-State Control for a 2-coils brake

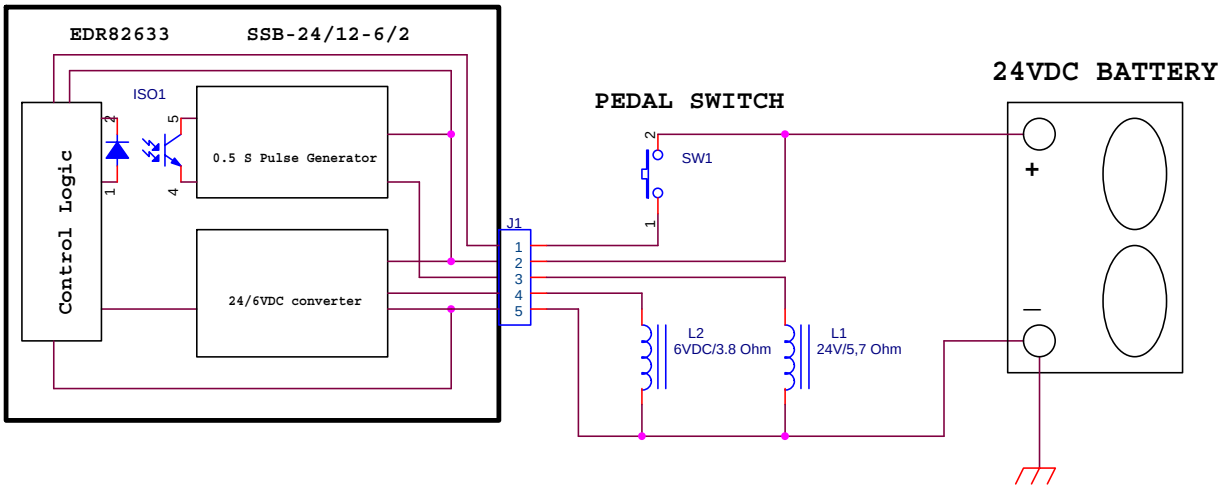
Features:

Small Footprint, 2.0"L x 2.7"W x .83"H
High Efficiency Voltage Converging > 85%
Internal Short-Circuit Protection for 6VDC@2A
Over-Temperature Protection
Wide-Input Range
Up to 50A surge at L1 output and up to 12A continues
Time for the Pulse (L1) set internally to 0.5 second

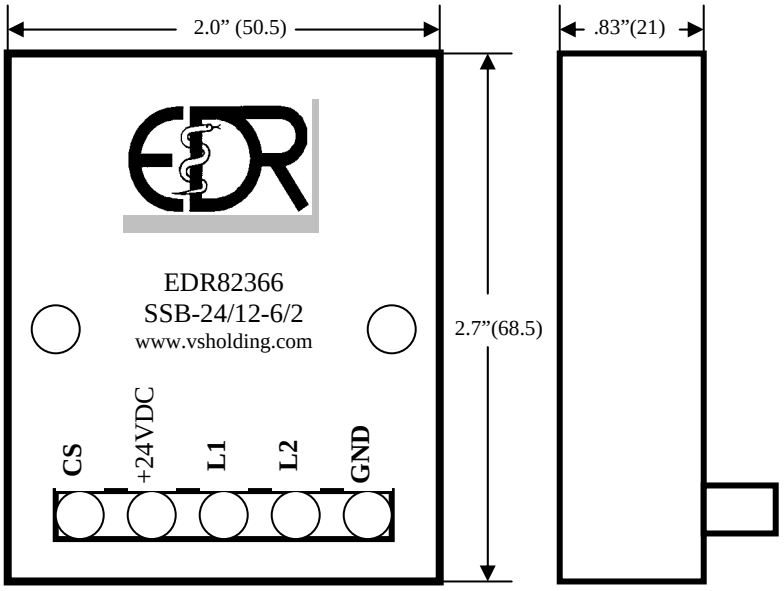
Please specify the timing, current and voltage for your brake control

EDR82633/xx/vv-y

Where: xx is the input voltage rating at the (terminal #2) and output voltage at the terminal #3
vv is the output voltage at the terminal #4
y is the maximum current at the terminal #4.



Simplified block-diagram of the EDR82633



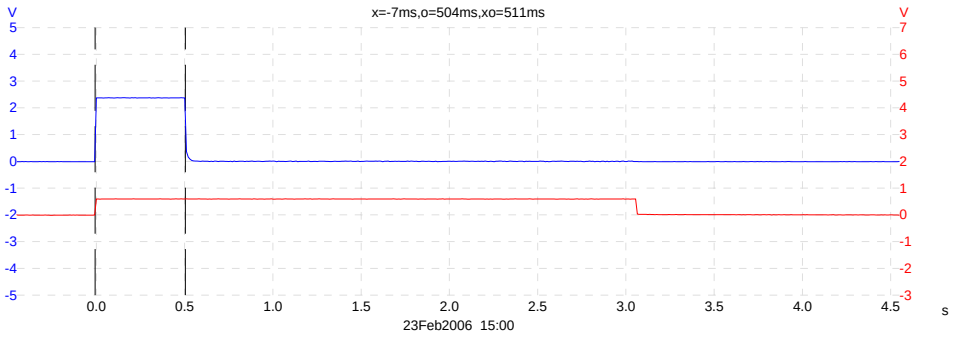
PIN 1: CS/from a N.O. switch
PIN 2: + 24VDC
PIN 3: 1st output,
PIN 4: 2nd output
PIN 5: common/GND

All Dimensions are in inches (millimeters).

Input/output terminals	.032" (1 mm) diameter.
Mounting holes (diameter)	.175" (4.5)
Weight: (typical)	.24 oz. (6.6 g)
Encapsulation:	Thermally Conductive Epoxy

SPECIFICATIONS for the power supply

	Minimum	Typical	Maximum
Power supply, #2 (VDC)	8	24	30
Power supply current, #2 no load (mA)	20	30	50
Output Current, #4 (L2)	1.5	2	2.2
Short Circuit Current, #4 (L2) A pk	-	3.5	-
Output Current, #3 (L1), Amp at load 2Ohm	-	12	-
Short Circuit Current, #3 (L1), Amp	-	100	-



Time-Diagram of the Solid-State Control Brake

Wiring Instruction For Electronic Brake Control

1. The Brake control must be installed with a 24-volt negative ground.
2. Be sure to solidly connect all five wires or brake control will not function properly.
3. Use a proper gauge wire when installed the brake control is CRITICAL. A smaller gauge wire may result in less than efficient braking. Minimum wire gauges are as follows:

   A wire from a batter (+24 VDC) is not less than 12 GA.

   A wire from the terminal #3 to L1 is not less than 12 GA.

   A wire from the terminal #4 to L1 is not less than 14 GA.

   A wire from the terminal #1 to a pedal switch is not less than 18 GA.

   A wire from the terminal #5 to the negative side battery is not less than 12 GA.

Technical Assistance Call Toll-Free: 1-800-337-1-EDR or www.vsholding.com

The above is one of a solid-state module manufactured by EDR Inc. to satisfy a wide range of customers. We made solid-state relays, input/output modules, intelligent breakers, etc. Most of our products (about 72%) are manufactured by customers' order and specifications.

Email to info@vsholding.com your input and output requirements and we'll offer you a part number, data sheet and the delivery schedule. A cost of a Solid State Device is very much tied to an ordered volume, in most cases a relay costs in low teens in order of 1000 or more.