

Technical Specifications

Absolute Maximum Ratings

DC input voltage (V_{CC})	+33 V
DC output current	4 A continuous
External Power up pin voltage	$+V_{CC}$
Temperature Range	+5 °C to +45 °C (operational)
Humidity	< 95% (non-condensing)

Recommended Operating Conditions

	Min	Typ	Max
DC Input Voltage (V_{CC})	+4 V	-	+30 V
Control Pin Voltage ($V_{control}$)	0 V	-	V_{CC}
Control Pin Threshold ($V_{control(th)}$)	+1.5 V	+2.4 V	+3.0 V

Connector Pinouts

TB1 Pin	Pin Name
1	PWR_IN (V_{CC}) [Input]
2	GND
3	GND
4	CONROL ($V_{control}$) [Input]

TB2 Pin	Pin Name
1	VOUT [Output]
2	GND

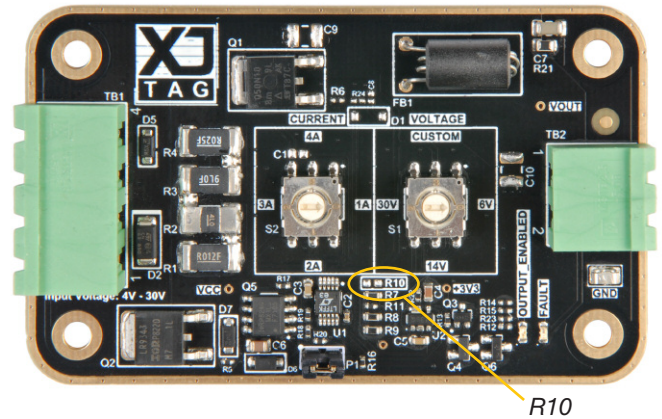
Visual Indication

LED1 (Green):	Output is currently enabled, output MOSFET is turned on.
LED2 (Red):	A fault condition has occurred. Over-Voltage or Current limit has tripped.

Terminal Block Connector

Standard 0.2" terminal block connector. Example supplier part codes for mating plugs:

Component	Manufacturer	Manufacturer Part Number	Farnell Order Code	Digi-Key Order Code
TB1	Phoenix Contact	1757035	3705377	277-1013-ND
TB2	Phoenix Contact	1757019	3705353	277-1011-ND



Physical Dimensions

75.00 mm x 46.12 mm x 14.16 mm (including connectors)

Configuration

S1 Position	Current Limit
0	1 A \pm 5 %
1	2 A \pm 5 %
2	3 A \pm 5 %
3	4 A \pm 5 %

S2 Position	Trip Voltage
0	6 V
1	14 V
2	30 V
3	Custom*

*Custom over-voltage trip voltage (in Volts) can be set by fitting R10. Value of R10 can be calculated using the formula:

$$R_{custom} = 4000(V_{trip} - 1.25) \quad \Omega$$

P1 Jumper	External Control	Output
Fitted	-	Enabled
Not Fitted	$V_{control} < V_{control(th)}$	Disabled
Not Fitted	$V_{control} \geq V_{control(th)}$	Enabled