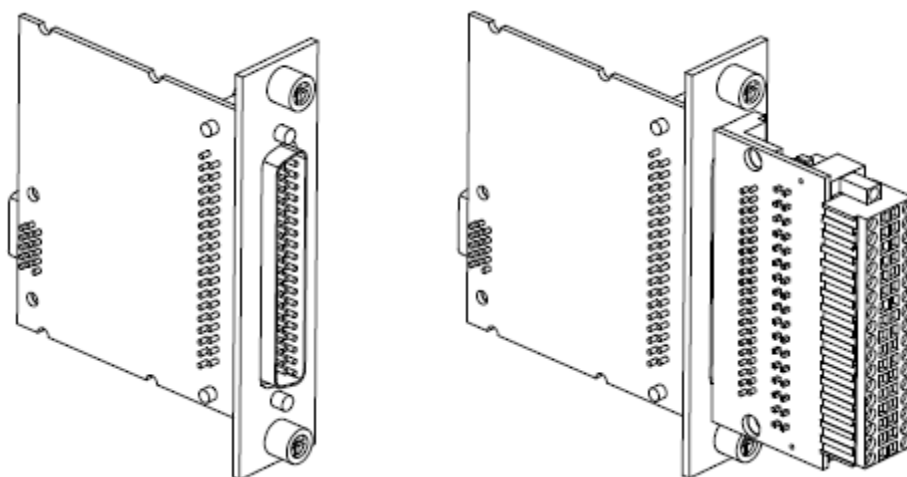


DATASHEET

MT E762

24 V, 32-Channel (Sourcing Input), 7 μ s

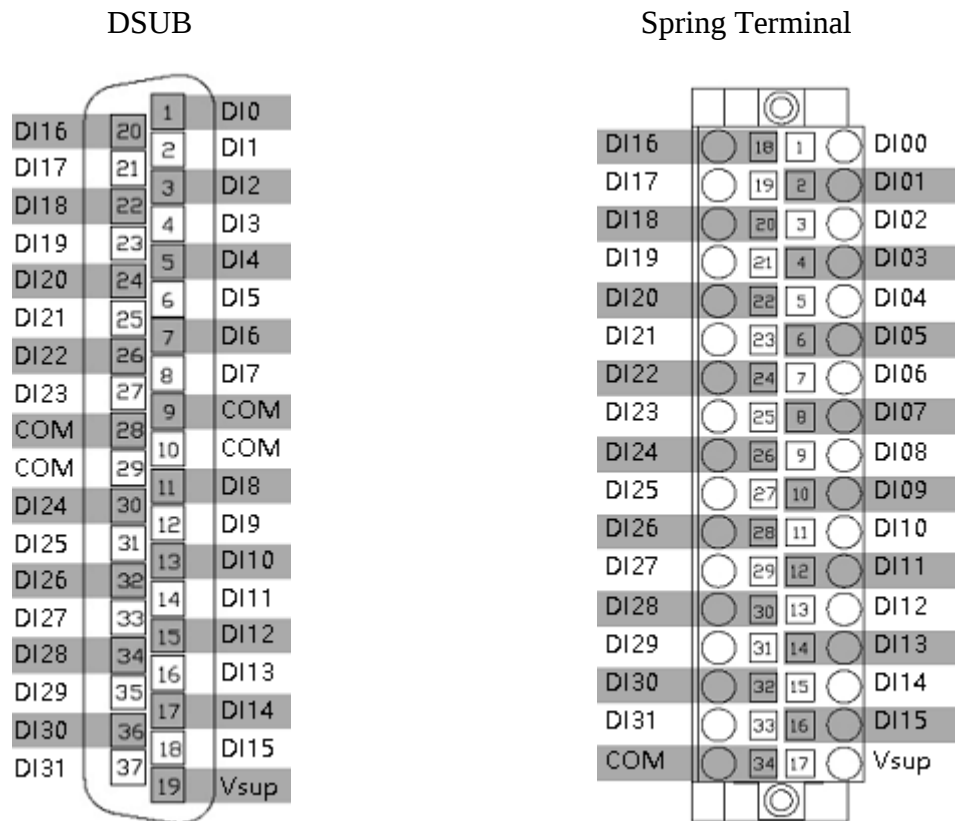


- DSUB or push-in Spring Terminal connectivity
- 60 VDC, CAT I, channel-to-earth isolation;
- -40 °C to 70 °C operating;

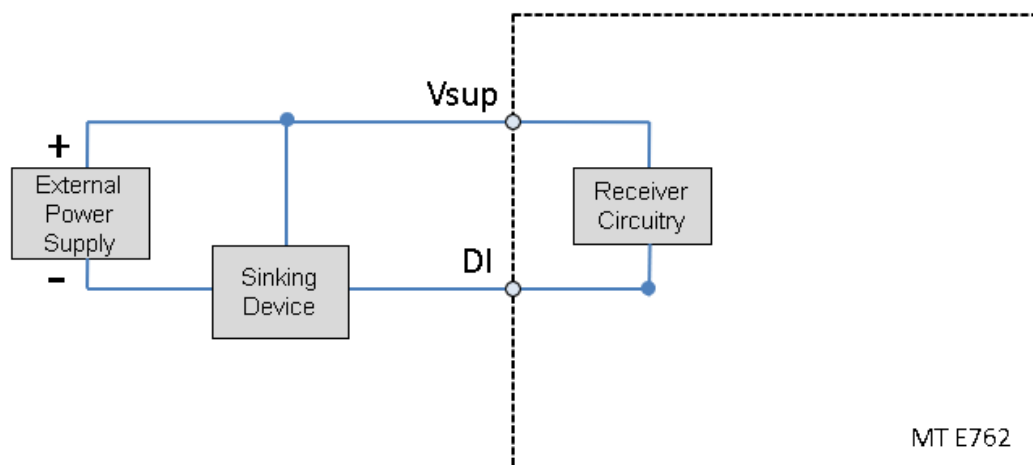
The MT E762 is a digital input module for RobustRIO and FlexDAQ systems. The MT E762 works with industrial logic levels and signals to connect directly to a wide array of industrial switches, transducers, and devices. Each digital input line is compatible with 24V logic level. There are two connector options for the MT E762--a 34-position spring-terminal connector and a 37-position DSUB connector.

MT E762 Connectivity

Pin definition of DSUB connector and Spring Terminal connector.



Input Circuitry



There are 32 digital input channels. All channels are internally referenced to COM.

MT E762 Specifications

The following specifications are typical for the range -40 °C to 70 °C unless otherwise noted. All voltages are relative to COM unless otherwise noted.

Input Characteristics

Number of channels	32 digital input channels
Input type	Sourcing
Digital logic levels	
OFF state	
Input voltage	$\geq (V_{sup} - 5V)$
Input current	$\leq 150 \mu A$ from DI pin
ON state	
Input voltage	$\leq (V_{sup} - 10V)$
Input current	$\geq 330 \mu A$ from DI pin
Hysteresis	
Input voltage	1.9V minimum
Input current	65 μA minimum
Input impedance	30 k $\Omega \pm 5\%$
I/O protection(V_{sup} -to-channel)	
Input voltage	30V maximum
Reverse-biased voltage	-30V maximum
Update/transfer time	7 μs maximum