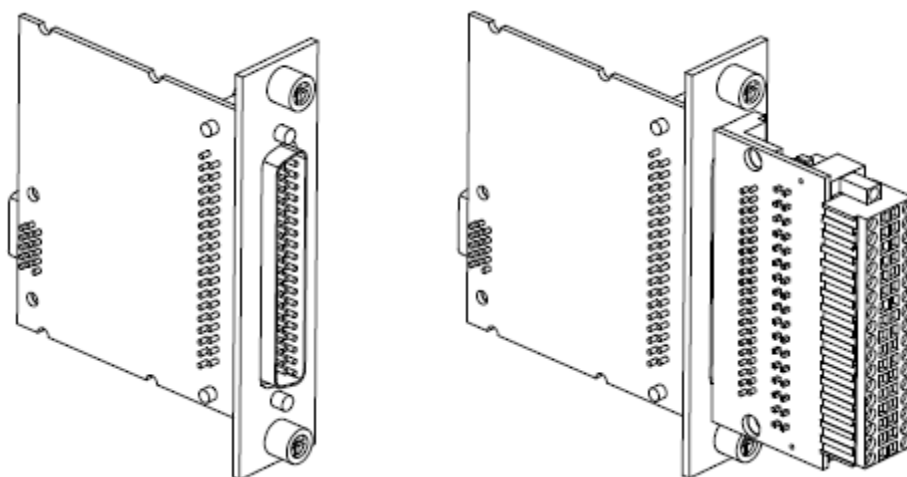


DATASHEET

MT E761

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



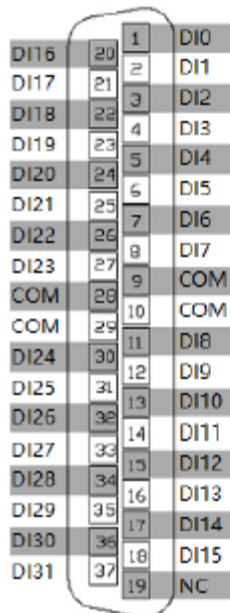
- DSUB or push-in Spring Terminal connectivity
- 60 VDC, CAT I, channel-to-earth isolation;
- -40 °C to 70 °C operating;

The MT E761 is a digital input module for RobustRIO and FlexDAQ systems. The MT E761 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 E761--a 34-position spring-terminal connector and a 37-position DSUB connector.

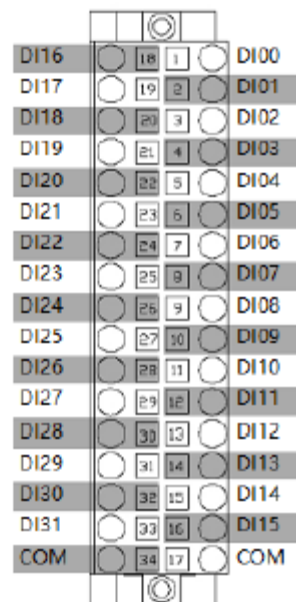
MT E761 Connectivity

Pin definition of DSUB connector and Spring Terminal connector.

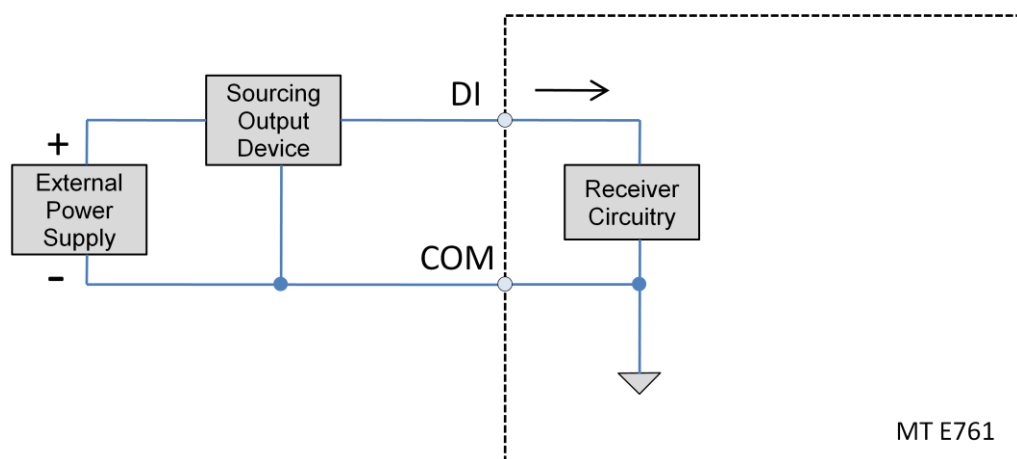
DSUB



Spring Terminal



Input Circuitry



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

MT E761 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	Sinking
Digital logic levels	
OFF state	
Input voltage	$\leq 5V$
Input current	$\leq 150\mu A$
ON state	
Input voltage	$\geq 10V$
Input current	$\geq 330\mu A$
Hysteresis	
Input voltage	2V minimum
Input current	60 μA minimum
Input impedance	30 k Ω $\pm$ 5%
I/O protection	
Input voltage	
8 channels	60 V DC maximum
16 channels	30 V DC maximum
Reverse-biased voltage	
8 channels	-60 V DC maximum
16 channels	-30 V DC maximum
Update/transfer time	7 μs maximum