

1.4.10 USB-2060



The USB-2060 is a full-speed USB device with 8 digital input and digital output channels module. The USB-2060 provides 6 digital input channels, 6 Form A signal relay output channels. All digital input channels can be used as 16-bit counters. In addition, the digital input channels can be selected either as sink or source type via wire connections. The USB-2060 also provides 12 LED indicators that can be used to monitor the status of the digital input and relay output. There are also options for configuring power-on and safe values. 4 kV ESD protection and 3750 VDC intra-module isolation are also provided to enhance noise protection capabilities in industrial environments.

Digital Input		
Channels		6
Type	Dry Contact	Source
	Wet Contact	Sink/Source
On Voltage Level	Dry Contact	Close to GND
	Wet Contact	+10 VDC ~ +50 VDC
Off Voltage Level	Dry Contact	Open
	Wet Contact	+4 VDC Max.
Effective Distance For Dry Contact		500 meters Max.
Input Impedance		10 K Ω
Overvoltage Protection		70 VDC
Counter	Max. Count	65535 (16-bit)
	Max. Input Frequency	500 Hz
	Min. Pulse Width	1 ms
Relay Output		
Channels		6
Output Type		Form A (SPST-NO)
Contact Rating (Resistive Load)	DC	5A 30V _{DC}
	AC	5A 250V _{AC} (47~63Hz)
Operate Time		10ms max.

Release Time		5ms max.
Insulation Resistance		1,000 M Ω at 500V _{DC}
Dielectric Strength	Between Open Contact	1000V _{AC} (1 min.)
	Between Coil and Contact	3000V _{AC} (1 min.)
Endurance	Mechanical	2 x 10 ⁷ ops
	Electrical	1 x 10 ⁵ ops
Power-on Value		Yes
Safe Value		Yes
Power		
Power Consumption		1.5 W max.
Mechanical		
Dimensions (W×L×H)		33mm × 87mm × 107mm