1.4.8 USB-2055

The USB-2055 is a full-speed USB device with 8 digital input and digital output channels module. The USB-2055 offers 8 isolated channels for digital input and 8 isolated channels for digital output. Either sink-type or source-type digital input can be selected via wire connections. All digital input channels are also able to be used as 16-bit counters. The USB-2055 supports source-type output with short circuit protection. There are options to enable both power-on and safety values. The USB-2055 has 16 LED indicators that can be used to monitor the status of the digital input and digital output channels. 4 kV ESD protection and 3750 VDC intra-module isolation are standard.

Digital Input		
Channels		8
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 KΩ
Overvoltage Protection		70 VDC
Counter	Max. Count	65535 (16-bit)
	Max. Input Frequency	500 Hz
	Min. Pulse Width	1 ms
Digital Output		
Channels		8
Type		Open Collector, Sink (NPN)
Load Voltage		+3.5~+50VDC
Max. Load Current		650 mA/Channel
Overvoltage Protection		60 VDC

Overload Protection	1.4A (with short-circuit protection)
Power-on Value	Yes
Safe Value	Yes
Power	
Power Consumption	1.4 W max.
Mechanical	
Dimensions (W×L×H)	33mm × 87mm × 107mm