

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 K Ω |
| 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 | | 1.2 W max. |
| Mechanical | | |
| Dimensions (W×L×H) | | 33mm × 87mm × 107mm |