Yocto-MaxiPowerRelay

You need several USB relays in a tight form factor? The Yocto-MaxiPowerRelay controls 5 relays. Each of these relays can handle up to 250V and 5 Amp. The relay state is reflected by a LED. This module does not need external power, but the host computer or the hub to which the module is connected must be able to provide up to 250 mA.
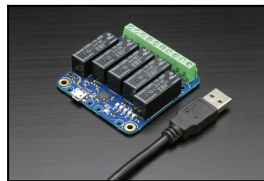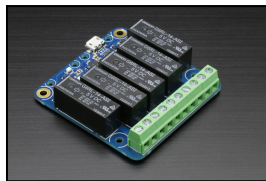
Be aware that although these relays have a better endurance to inductive loads than the Yocto-PowerRelay-V2, using a relay to drive inductive loads (motors, transformers) may lead to accelerated aging of the relay. Please refer to the documentation for hints on reducing this type of problems.

Specifications

Product ID	MXPWRRLY
Hardware release[†]	Rev. C
USB connector	micro-B
Width	58 mm
Length	59 mm
Weight	61 g
Relay type	OMRON G6RL-14-ASI
Channels	5
Max switching current	5 A
Max switching power	1250 VA
Operate time	12 ms (max)
Release time	7 ms (max)
Max withholding voltage	1000 V r.m.s.
Max working voltage	250 V r.m.s.
IEC protection class	class II
USB insulation, clearance dist.	10 mm
USB insulation, creepage dist.	10 mm
USB insulation, dielectric strength (1 min.)	5 kV r.m.s.
Normal operating temperature	5...40 °C
Extended operating temperature[‡]	-30...85 °C
USB consumption	~250 mA
RoHS compliance	RoHS III (2011/65/UE+2015/863)
USB Vendor ID	0x24E0
USB Device ID	0x004B
Suggested enclosure	YoctoBox-MaxiIO-Transp
Harmonized tariff code	8542.3190
Made in	Switzerland

[†] These specifications are for the current hardware revision. Specifications for earlier revisions may differ.

[‡] The extended temperature range is defined based on components specifications and has been tested during a limited duration (1h). When using the device in harsh environments for a long period of time, we strongly advise to run extensive tests before going to production.

For more information: www.yoctopuce.com/EN/products/yocto-maxipowerrelay

Actuators