KV-SIR32XT

High speed I/O unit

CE   c(UL)us LISTED

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

Specifications

Model		KV-SIR32XT
Type		High-speed I/O unit
External connection method		Connector (MIL specification)[*1]
Input	Number of inputs	32 points
	Input mode	24 VDC mode, 5 VDC mode[*2] (with overvoltage protection function[*3])
	Maximum input voltage	24 VDC mode: 28.8 VDC 5 VDC mode: 6.0 VDC
	Rated input voltage	24 VDC mode: 24 VDC, 5.1 mA 5 VDC mode: 5 VDC, 8.8 mA
	Minimum ON voltage	24 VDC mode: 19 V 5 VDC mode: 3.5 V
	Maximum OFF current	24 VDC mode: 1.5 mA
	Maximum OFF voltage	5 VDC mode: 1.5 V
	Common method	16 points/1 common (2 terminals)[*4]
	Input time constant	1 µs/10 µs/20 µs/100 µs/500 µs/1 ms/5 ms/10 ms/50 ms
	Input impedance	24 VDC mode: 4.4 kΩ 5 VDC mode: 350 Ω
Output	Number of outputs	32 points
	Output mode	MOSFET (sink) (with overcurrent protection function)[*5]
	Rated load	30 VDC, 0.2 A (1.6 A/1 common)
	Leakage current at OFF	100 µA or less
	Residual voltage at ON	0.5 VDC or less
	Common method	16 points/1 common (2 terminals)[*4]
	Operation time	OFF to ON: 1 µs or less: (Load: 5 mA to 200 mA) ON to OFF: 5 µs or less: (Load: 5 mA to 200 mA)
Internal current consumption		130 mA or less
Weight		Approx. 190 g

[*1] Connectors for connector-type I/O units are not included XC Series Terminal Block Conversion Unit is available.
[*2] 5 VDC mode can only be used with IN100 to IN115.
[*3] If an overvoltage is detected, all inputs (IN100 to IN115) in the shared commons will be turned OFF until the power is cycled or until PRG is switched to RUN.
[*4] The four input and output COMs (input COM0 and COM1, and output COM2 and COM3) are independent. For each COM, those with two terminals are short-circuited internally.
[*5] If an overcurrent is detected at even one point, protection operation (output OFF) will be enforced for all of the outputs in the shared commons (COM2: OUT200 to 215, COM3: OUT300 to 315) and automatic recovery will be repeated until the cause is eliminated.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

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