KEYENCE

KV-N8EXT

Expansion I/O unit,16-point type, Screw Terminal Block, Input 8 points, transistor output 8 points

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

Specifications

Model			KV-N8EXT
Expansion input unit	External connection method		Terminal block
	Input Points		8
	Input terminals		24 VDC mode, 5 VDC mode
	Maximum input voltage		26.4 VDC
	Input rated voltage	24 VDC mode	5.3 mA
		5 VDC mode	1 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		1.5 V
	Common method		8 points/1 common (1 terminal) *1
	Input time constant (four-level switching)	Input time constant setting	OFF to ON: Typ.	25 µs : 10 µs 300 µs : 240 µs 1 ms : 1 ms 10ms : 10 ms
			OFF to ON: Max.	25 µs : 50 µs 300 µs : 290 µs 1 ms : 1.2 ms 10ms : 11 ms
			ON to OFF: Typ.	25 µs : 50 µs 300 µs : 280 µs 1 ms : 1 ms 10ms : 10 ms
			ON to OFF: Max.	25 µs : 150 µs 300 µs : 390 µs 1 ms : 1.2 ms 10 ms : 11 ms
	Input impedance		4.3 kΩ
Expansion output unit	Output Points		8
	External connectionmethod		MOSFET (N-ch) (with overcurrent protection function) *2
	Rated load		30 VDC, 0.5 A
	Leakage current (when output is OFF)		100 µA or less
	Residual voltage (at ON)		0.8 VDC or less (with 0.5 A output), 0.6 VDC or less (with 0.3 A output)
	ON resistance		−
	Common method		8 points/1 common (4 terminals) *1*3
	Response time	OFF to ON	100 µs or less (with a load of 1 mA or more)

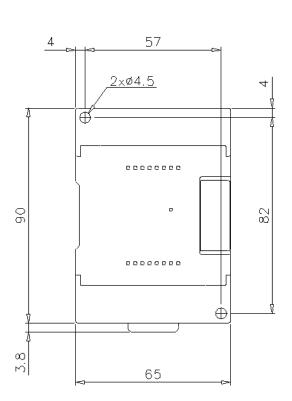|		ON to OFF	200 µs or less (with a load of 1 mA or more)
	Relay life		–
	Relay replacement		
Internal current consumption			30 mA or less
Weight			Approx. 210 g

*1 The input COM and output COM terminals are independent.
*2 If even a single overcurrent is detected, the protection operation (output turned OFF) and automatic recovery are repeated for all outputs within the shared common, until the cause of the problem is removed.
*3 The KV-N8EXT has four COM output terminals, but these terminals are shared internally.

Dimensions

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

KV–N8EXR/N8EXT