



KV-40DT

Base unit, DC type, 24 Inputs and 16 Transistor (Sink) Outputs



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

 This model has been discontinued.
Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [Base Unit, DC power supply type, Input 24 points/output 16 points, transistor \(sink\) output - KV-N40DT](#)

Specifications

Model			KV-40DT
Type			DC power supply type base unit
Input power supply voltage	Base unit		24 VDC (+ 10%, -20%)
Allowable instantaneous outage time			Less than 2 ms
General specifications	Internal current consumption (24 VDC conversion value)	Base unit	120mA or less
		Expansion unit	KV-E4X 20mA or less KV-E8X 25mA or less KV-E16X 35mA or less KV-E4T 25mA or lessKV-E8T (P) 40mA or less KV-E16T 60mA or less KV-E4R 40mA or less KV-E8R 70mA or lessKV-E16TP 70mA or less KV-E4XT (P) 30mA or less KV-E4XR 45mA or less KV-E16R 110mA or less
		Other	Operator panel KV-D20: 60 mA or less KL link adapter KL-N10V: 35 mA or less Programming console KZ-P3: 65 mA or less
	Environmental resistance	Operating temperature range	0 to 50°C 32 to 122°F (no freezing), 0 to 45°C 32 to 113°F (KZ-P3)
		Operating ambient humidity	35 to 85% RH (no condensation)
		Ambient temperature for storage	-20 to 70°C -4 to 158°F (no freezing)
		Withstand voltage	1,500 VAC for 1 minute (between the power supply terminal and the I/O terminals and between all the external terminals and the case)
		Noise resistance	1,500 Vp-p or more, pulse width: 1 μs, 50 ns (by way of a noise simulator), conforms to EN standards (EN 61000-4-2/-3/-4/-6)
		Shock resistance	Conforms to JIS C 0041, 150 m/s ² (15 G), operating time: 11 ms, 2 times in each of the 3 axial directions
	Weight	Base unit	Approx 280g
	Insulation resistance		50 MΩ or more (tested with a 500 VDC megger, between the power supply terminal and the input terminal and between all the external terminals and the case)
	Environmental resistance	Ambient operating atmosphere	Minimal amount of dust and corrosive gas present
	Weight	Expansion unit	KV-E4X: Approx 80 g, KV-E8X: Approx 100 g, KV-E16X: Approx 130 g, KV-E4T: Approx 80 g, KV-E8T (P): Approx 100 g, KV-E16T (P): Approx 130 g, KV-E4R: Approx 100 g, KV-E8R: Approx 130 g, KV-E16R: Approx 190 g, KV-E4XT (P): Approx 100 g, KV-E4XR: Approx 120 g
		Other	KZ-P3 Approx 230g KV-D20 Approx 160g KL-N10V Approx 80g

	Vibration resistance	Intermittent vibration	Frequency: 10 to 57 Hz	Amplitude: 0.075 mm*1
			Frequency: 57 to 150 Hz	Acceleration: 9.8 m/s2*1
		Continuous vibration	Frequency: 10 to 57 Hz	Amplitude: 0.035 mm*1
			Frequency: 57 to 150 Hz	Acceleration: 4.9 m/s2*1

*1 Conforms to JIS B 3502, IEC61131-2
Number of sweeps: 10 times respectively in the X, Y, and Z directions, 80 minutes

Dimensions

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

