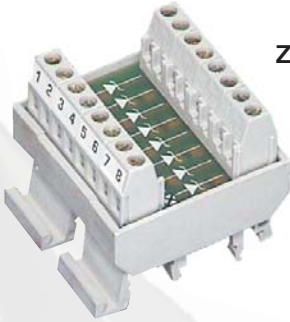




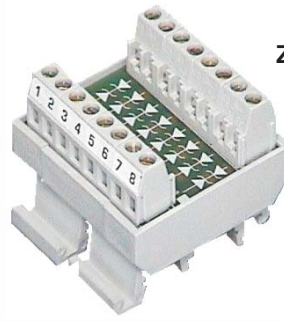
To download fullsize color .pdf Ziplink Wiring Diagrams go to www.Automationdirect.com website

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ZipLink Transorb Modules 8 channel 24VDC and 120VAC



ZL-TD8-24



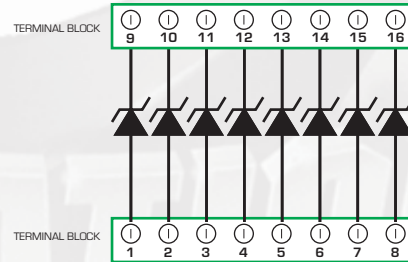
ZL-TD8-120

Type:

ZL-TD8-24

Diode & Miscellaneous Modules	
Part Number	ZL-TD8-24
Description	8-channel transient voltage suppressor, 24VDC
Approvals	CE
Voltage Rating	24VDC
	Voltage breakdown: min: 26.7
	normal: 28.1
	max: 29.5
Wire Range (Rated Cross Section)	14 - 22 AWG (0.2 - 2.5mm ²)
Wire Strip Length	0.32"(8mm)
Operating Temperature Range	0°C to +40°C
Maximum Current Per Channel	1A
Number of Channels	8
Peak Power Dissipation	600W; pulse=1ms
Dimensions (L x W x H)	1.85"(47mm)x1.85"(47mm)x1.69"(43mm)

+ 24VDC wiring connection



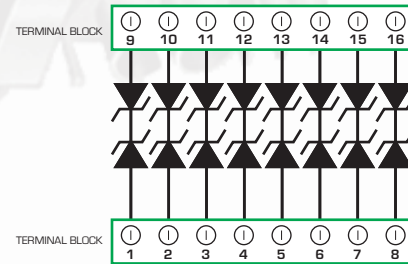
0 VDC wiring connection

Wiring Diagram

Type:

ZL-TD8-120

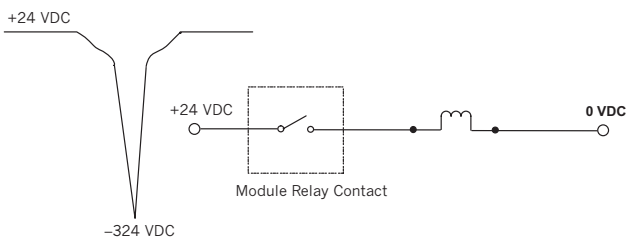
Diode & Miscellaneous Modules	
Part Number	ZL-TD8-120
Description	8-channel transient voltage suppressor, 120VAC
Approvals	CE
Voltage Rating	120VAC
	Voltage breakdown: min: 171
	normal: 180
	max: 189
Transorb Type	P6KE180CA
Wire Range (Rated Cross Section)	14 - 22 AWG (0.2 - 2.5mm ²)
Wire Strip Length	0.32"(8mm)
Operating Temperature Range	0°C to +40°C
Maximum Current Per Channel	1A
Number of Channels	8
Peak Power Dissipation	600W; pulse=1ms
Dimensions (L x W x H)	1.85"(47mm)x1.85"(47mm)x1.69"(43mm)



Wiring Diagram

Transient Voltage Suppressors (TVS or transorb) provide the best surge and transient suppression of AC and DC powered coils, providing the fastest response with the smallest overshoot.

For example, the waveform in the figure below shows the energy released when opening a contact switching a 24 VDC solenoid. Notice the large voltage spike.



This figure shows the same circuit with a transorb (TVS) across the coil. Notice that the voltage spike is significantly reduced.

