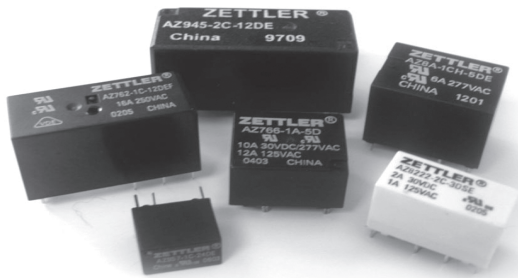




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SELECTION GUIDE

RELAY SELECTION GUIDE

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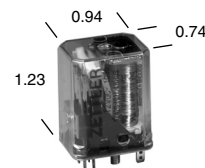
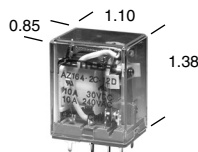
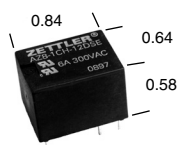
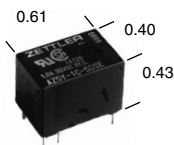


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Rev. 8/01/07

Relay Selection Guide



SERIES		AZ5	AZ8	AZ164-AZ166	AZ420
FEATURES		•High sensitivity •Subminiature size •Low cost •Meets FCC Part 68.302 and 68.304	•High sensitivity (110 mW) •Class B (130°C) insulation standard •Class F (155°C) insulation available •VDE versions available •Hermetically sealed versions available	•High Switching Capacity •AC and DC coils •Three different mounting options •Push To Test lever available on some models •CE marked	•Versatile contact configurations •Wide switching range •High sensitivity •Long life
EPOXY SEALED		Yes	Yes	Yes	Yes
CONTACTS	Form	1 Form C	1 Form A, C	1-4 Form C	1-6 Form C
	Ratings (Resistive)	Light duty: 1 A at 30 VDC 0.5 A at 120 VAC Heavy duty: 2 A at 30 VDC 1 A at 120 VAC	Light duty: 2 A at 28 VDC or 300 VAC Medium duty: 6 A at 28 VDC or 300 VAC Heavy duty: 10 A at 24 VDC or 250 VAC	3PDT, 4PDT: 5 A at 30 VDC/250 VAC DPDT Standard Duty: 7 A at 30 VDC/250 VAC DPDT Heavy Duty: 10 A at 30 VDC/ 250 VAC SPDT Heavy Duty: 15 A at 30 VDC/250 VAC	2 A at 26 VDC or 115 VAC 3 A at 28 VDC or 115 VAC 7.5 A at 28 VDC or 115 VAC 5 A at 30 VDC or 120 VAC
COIL VOLTAGES		5 thru 24 VDC	5 thru 48 VDC	5 thru 110 VDC 6 thru 240 VAC	3 thru 115 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		Standard coils: 220 mW Sensitive coils: 100 mW	Standard coils: 210 mW Sensitive coils: 140 mW (110 mW available)	DC: 6 to 48 VDC: 576 mW 110 VDC: 704 mW AC: 0.768 VA	Standard coils: 450 to 850 mW Sensitive coils: 40 mW per pole (25 mW per pole available)
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 1250 Vrms Between open contacts: 500 Vrms	Contact to coil: 2500 Vrms Hermetically sealed: 1600 Vrms Between open contacts: 750 Vrms	Contact to coil: 1500 Vrms Between open contacts: 1000 Vrms Contact Set to Contact Set: 1000 Vrms	Contact to coil: 1500 Vrms Between open contacts: 1000 Vrms Contact Set to Contact Set: 1000 Vrms
TYPICAL LIFE	Electrical At rated load unless otherwise specified	Standard duty: 5 x 10 ⁵ at 1 A at 30 VDC or 4 x 10 ⁵ at 0.5 A at 120 VAC Heavy duty: 2 x 10 ⁵ at 2 A at 30 VDC or 2 x 10 ⁵ at 1 A at 120 VAC	Light Duty: 3 x 10 ⁵ at 3 A at 120 VAC Medium Duty: 1.8 x 10 ⁵ at 6 A at 120 VAC Heavy Duty: 1 x 10 ⁵ at 10 A at 120 VAC	1 x 10 ⁵ operations	1 x 10 ⁸ at 10 mA at 6 VDC 1.5 x 10 ⁶ at 2 A at 28 VDC or 115 VAC 2 x 10 ⁵ at 5 A at 28 VDC or 115 VAC 1 x 10 ⁵ at 7.5 A at 28 VDC or 115 VAC
	Mechanical	1 x 10 ⁷ operations	1 x 10 ⁸ operations	2 x 10 ⁷ operations	5 x 10 ⁸ operations
APPROXIMATE SIZE IN INCHES L x W x H		0.61 x 0.40 x 0.43	0.84 x 0.64 x 0.58	1.10 x 0.85 x 1.38	2 pole: 0.94 x 0.74 x 1.23 4 pole: 1.17 x 0.74 x 1.23 6 pole: 1.40 x 0.74 x 1.23
TERMINALS	PC	THT	THT	THT	THT
	Solder/Plug-in	—	—	X	X
	Bracket Mount	—	—	X	—
	Socket	—	—	X	X
APPROVAL		UL/CSA	UL/CUR/VDE	UL/CUR	UL/CUR

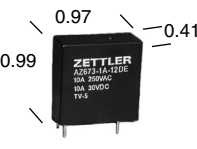
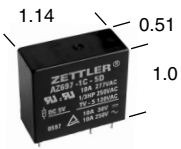
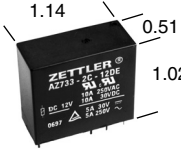
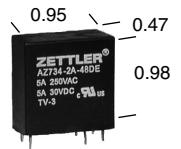


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Relay Selection Guide

				
AZ673	AZ697	AZ733	AZ733W	AZ734
• High dielectric strength, 4000 Vrms • Withstands surges up to 10,000 volts • High switching capacity in slim package	• High dielectric strength, 5000 Vrms • High switching capacity • Class B (130°C) insulation standard • Isolation spacing greater than 8 mm	• High switching capacity • High dielectric strength, 5000 Vrms • Isolation spacing greater than 8 mm • Class B (130°C) insulation standard	• 1.5 mm contact gap • High switching capacity • High dielectric strength, 5000 Vrms • Isolation spacing greater than 8 mm • Class B (130°C) insulation standard	• Dielectric strength, 4000 Vrms • 5 Amp switching, double pole contacts • Class B (130°C) insulation standard
Yes	Yes	Yes	Yes	Yes
1 Form A, C	1 Form A, C	2 Form A, C	2 Form A	2 Form A
10 A at 250 VAC 10 A at 30 VDC 1/8 HP at 125 VAC 1/4 HP at 250 VAC TV-5 at 125 VAC	TV-5 at 120 VAC 10A at 277 VAC or 30 VDC resistive 1/3 HP at 250 VAC 1/4 HP at 125 VAC NO	10 A at 30 VDC or 250 VAC TV-3 at 125 VAC 1/4 HP at 240 VAC 1/8 HP at 120 VAC	10 A at 250 VAC 10 A at 30 VDC TV-3 at 125 VAC	5 A at 250 VAC 5 A at 30 VDC TV-3 at 125 VAC
5 thru 48 VDC	3 thru 110 VDC	3 thru 110 VDC	3 thru 60 VDC	5 thru 48 VDC
Standard coils: 300 mW Sensitive coils: 140 mW	257 mW	257 mW	450 mW	300 mW
Contact to coil: 4000 Vrms Between open contacts: 1000 Vrms Surge contact to coil: 10,000 V	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 3000 Vrms	Contact to coil: 5000 Vrms Between open contacts: 3000 Vrms Contact set to contact set: 3000 Vrms	Contact to coil: 4000 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 1000 Vrms
1 x 10 ⁵ at 10 A at 240 VAC	1 x 10 ⁵ at 10 A at 240 VAC	1 x 10 ⁵ at 10 A at 240 VAC	1 x 10 ⁵ at 10 A at 240 VAC	1 x 10 ⁵ at 5 A at 240 VAC
1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	5 x 10 ⁵ operations	1 x 10 ⁷ operations
0.97 x 0.41 x 0.99	1.14 x 0.51 x 1.0	1.14 x 0.51 x 1.02	1.14 x 0.51 x 1.02	0.95 x 0.47 x 0.98
THT	THT	THT	THT	THT
—	—	—	—	—
—	—	—	—	—
—	X	X	X	—
UL/CUR/TÜV	UL/CUR/TÜV	UL/CUR/TÜV	UL/CUR/TÜV	UL/CUR

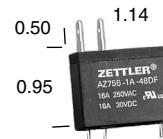
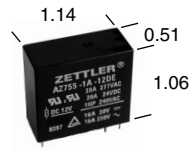
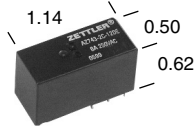
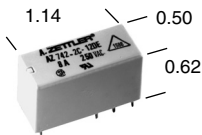


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Relay Selection Guide



SERIES		AZ742	AZ743	AZ755	AZ756
FEATURES		• High dielectric strength, 5000 Vrms • AC and DC coils • Isolation spacing greater than 10 mm • Proof tracking index (PTI/CTI) 250 • Surpasses requirements of VDE 0631/0700	• High dielectric strength, 5000 Vrms • AC and DC coils • Isolation spacing greater than 10 mm • Class B (130°C) insulation standard • Class F (155°C) available	• High switching capacity • High dielectric strength, 5000 Vrms • Isolation greater than 8 mm • Class B (130°C) insulation standard • Class F (155°C) available	• High dielectric strength, 5000 Vrms • Isolation spacing greater than 8 mm • Class B (130°C) insulation standard • Class F (155°C) available
EPOXY SEALED		Yes	Yes	Yes	No
CONTACTS	Form	2 Form A, C	2 Form A, B, C	1 Form A, B, C	1 Form A
	Ratings (Resistive)	8 A at 250 VAC	10 A at 250 VAC 8 A at 277 VAC 1/2 HP at 250 VAC 1/4 HP at 125 VAC	20 A at 277 VAC (N.O.) 16 A at 240 VAC 12 A at 277 VAC 1 HP at 240 VAC TV-8 at 120 VAC 20 A at 24 VDC	16 A at 250 VAC 20 A at 125 VAC 16 A at 30 VDC
COIL VOLTAGES		3 thru 110 VDC 12 thru 240 VAC	5 thru 110 VDC 24 thru 230 VAC	3 thru 110 VDC	5 thru 48 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		DC coil: 200 mW AC coil: 0.422 VA	190 mW	270 mW	340 mW
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 2500 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 3000 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 8 A at 240 VAC	1 x 10 ⁵ at 8 A at 240 VAC	5 x 10 ⁴ at 16 A at 240 VAC 2 x 10 ⁴ at 20 A at 277 VAC	1 x 10 ⁵ at 16 A at 240 VAC
	Mechanical	3 x 10 ⁷ operations	1 x 10 ⁷ operations	5 x 10 ⁶ operations	1 x 10 ⁷ operations
APPROXIMATE SIZE IN INCHES L x W x H		1.14 x 0.50 x 0.62	1.14 x 0.50 x 0.62	1.14 x 0.51 x 1.06	1.14 x 0.50 x 0.95
TERMINALS	PC	THT	THT	THT	THT
	Solder/Plug-in	—	—	—	Quick connect
	Bracket Mount	—	—	—	—
	Socket	X	X	X	—
APPROVAL		UL/CUR/VDE	UL/CUR/VDE	UL/CUR/TÜV	UL/CUR/TÜV



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Relay Selection Guide



AZ757	AZ760	AZ761	AZ762	AZ762F
• 20 Amp switching • 10 kV surge • Class F (155°C) insulation standard • UL, CUR file E44211	• 20 Amp switching • High in-rush capacity • Quick-connects for contacts • Class B (130°C) insulation standard	• High dielectric strength, 5000 Vrms • AC and DC coils • Isolation spacing greater than 10 mm • Class B (130°C) insulation standard • Class F (155°C) available	• High dielectric strength, 5000 Vrms • AC and DC coils • Isolation spacing greater than 10 mm • Class B (130°C) insulation standard • Class F (155°C) available	• High temperature operation 125°C • Dielectric strength 5000 Vrms • Class F (155°C) standard • 20 Amp switching • Low profile quick connects, horizontal or vertical • Low profile Quick connects (0.618")
Yes	No	Yes	Yes	Yes
1 Form A	1 Form A	1 Form A, B, C	1 Form A, B, C	1 Form A, B
20 A at 250 VAC 16 A at 30 VDC 1.5 HP at 250 VAC	20 A at 220 VAC 1.5 HP at 250 VAC	Standard 12 A at 277 VAC Sensitive 10 A at 250 VAC 1/2 HP at 250 VAC 1/3 HP at 125 VAC B300 Pilot Duty R300 Pilot Duty	16 A at 277 VAC 1 HP at 250 VAC 1/2 HP at 125 VAC TV-5 at 125 VAC (1 Form A) B300 Pilot Duty R300 Pilot Duty	20 A at 277 VAC 18 A at 250 VAC 16 A at 250 VAC 12 A at 400 VAC
5 thru 24 VDC	6 thru 48 VDC	5 thru 110 VDC 24 thru 230 VAC	5 thru 110 VDC 24 thru 230 VAC	5 thru 60 VDC
245 mW	441 mW	Standard: 196 mW Sensitive: 141 mW	196 mW	196mW
Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 2000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms
1 x 10 ⁵ at 20 A at 250 VAC	1 x 10 ⁵ at 20 A at 220 VAC	1 x 10 ⁵ at 12 A at 240 VAC	1 x 10 ⁵ at 16 A at 240 VAC	1 x 10 ⁵ at 20 A at 277 VAC
1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations
0.91 x 0.49 x 0.98	1.22 x 0.73 x 1.20	1.14 x 0.50 x 0.62	1.16 x 0.52 x 0.64	1.24 x 0.51 x 0.63
THT	THT	THT	THT	THT
Quick connect	Quick connect	—	—	—
—	—	—	—	—
—	—	X	X	—
UL/CUR	UL/CUR	UL/CUR/VDE	UL/CUR/VDE	UL/CUR/VDE

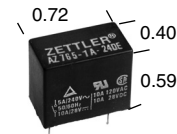
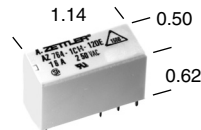
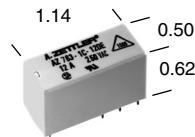


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Relay Selection Guide



SERIES		AZ762H	AZ763	AZ764	AZ765
FEATURES		• High ambient operating temperature (105°C) • Dielectric strength 5000 Vrms • 16 Amp switching • Class B (130°C) standard • Isolation spacing greater than 10 mm	• High dielectric strength, 5000 Vrms • AC and DC coils • Isolation spacing greater than 10 mm • Proof tracking index (PTI/CTI) 250 • Surpasses requirements of VDE 0631/0700	• High dielectric strength, 5000 Vrms • AC and DC coils • Isolation spacing greater than 10 mm • Proof tracking index (PTI/CTI) 250 • Surpasses requirements of VDE 0631/0700	• Small footprint • Low cost • 10 Amp switching capacity
EPOXY SEALED		Yes	Yes	Yes	Yes
CONTACTS	Form	1 Form A, C	1 Form A, C	1 Form A, C	1 Form A, C
	Ratings (Resistive)	16 A at 277 VAC	12 A at 250 VAC	16 A at 250 VAC	10 A at 120 VAC 10 A at 28 VDC
COIL VOLTAGES		DC coils: 5 thru 60 VDC AC coils: 5 thru 60 VAC	DC coils: 3 thru 110 VDC AC coils: 12 thru 240 VAC	DC coils: 3 thru 110 VDC AC coils: 12 thru 240 VAC	3 thru 24 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		DC coils: 196 mW AC coils: 0.43 VA	DC coils: 200 mW AC coils: 0.422 VA	DC coils: 200 mW AC coils: 0.422 VA	253 mW
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 2500 Vrms Between open contacts: 1000 Vrms
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 16 A at 277 VAC	1 x 10 ⁵ at 12 A at 240 VAC	1 x 10 ⁵ at 16 A at 240 VAC	1 x 10 ⁵ at 10 A at 120 VAC
	Mechanical	1 x 10 ⁷ operations	3 x 10 ⁷ operations	3 x 10 ⁷ operations	1 x 10 ⁷ operations
APPROXIMATE SIZE IN INCHES L x W x H		1.16 x 0.52 x 0.16	1.14 x 0.50 x 0.62	1.14 x 0.50 x 0.62	0.72 x 0.40 x 0.59
TERMINALS	PC	THT	THT	THT	THT
	Solder/Plug-in	—	—	—	—
	Bracket Mount	—	—	—	—
	Socket	X	X	X	—
APPROVAL		UL/CUR/VDE	UL/CUR/VDE	UL/CUR/VDE	UL/CUR

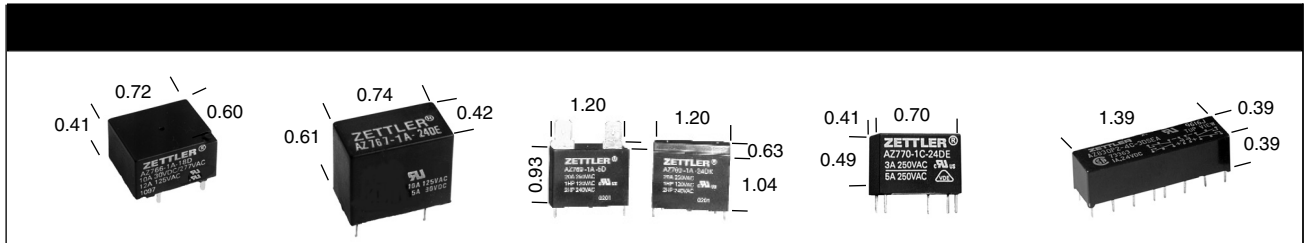


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Relay Selection Guide

				
AZ766	AZ767	AZ769	AZ770	AZ830-4P/AZ830P-4P
• Low seated height • Low cost • Class B (130°C) insulation standard • 13.5 Amp switching capacity	• Small footprint • Low cost • Class B (130°C) insulation standard • 10 Amp switching capacity	• 25 Amp switching • 80 Amp inrush current • Quick connect and PCB terminals • Flux tight construction • Class B (130°C) insulation standard • 10 kV surge	• Small footprint • 5 kV dielectric strength, 10 kV surge • Class B (130°C) insulation standard • 8 mm creepage and clearance	• 4 Pole single side stable and two coil bistable (latching version) • Meets FCC Part 68.302 & 68.304 • Bifurcated contacts • Low profile DIP package • High sensitivity (100 MW)
Yes	Yes	No	Yes	Yes
1 Form A	1 Form A, C	1 Form A	1 Form A, C	4 Form C
13.5 A at 125 VAC 10 A at 30 VDC or 277 VAC 12 A at 125 VAC TV-5 at 120 VAC 1/4 HP at 125 / 250 VAC	1 Form A: 5 A at 30 VDC/250 VAC 10 A at 125 VAC 10 A LRA/1.5 A FLA at 120 VAC 1 Form C: 3 A at 30 VDC or 250 VAC	25 A at 277 VAC 1 HP at 120 VAC 2 HP at 240 VAC	1 Form A (N.O.): 5 A at 250 VAC 5 A 30 VDC 1/8 HP, 125 / 250 VAC 3 A at 250 VAC, 0.4 PF 1 Form C: 3 A at 250 VAC 3 A at 30 VDC	1 A at 30 VDC 0.5 A at 120 VAC
3 thru 24 VDC	3 thru 48 VDC	5 thru 48 VDC	3 thru 48 VDC	5 thru 48 VDC
253 mW	Standard: 253 mW Sensitive: 113 mW	441 mW	Standard: 253 mW Sensitive: 113 mW	Standard coil: 200 mW (single side stable) Standard coil: 180 mW (bistable) Sensitive coil: 100 mW (single side stable) Sensitive coil: 90 mW (bistable)
Contact to coil: 2500 Vrms Between open contacts: 1000 Vrms	Contact to coil: 2500 Vrms Between open contacts: 1000 Vrms	Contact to coil: 4500 Vrms Between open contacts: 1500 Vrms Contact to coil surge: 10,000 V	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 1500 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 1500 Vrms
1 x 10 ⁵ at 12 A at 125 VAC	1 x 10 ⁵ at 5 A at 240 VAC	1 x 10 ⁵ at 25 A at 277 VAC	1 x 10 ⁵ at 5 A at 240 VAC	5 x 10 ⁵ at 2 A at 30 VDC 2 x 10 ⁵ at 0.5 A at 120 VAC
1 x 10 ⁷ operations	1 x 10 ⁷ operations	2 x 10 ⁶ operations	1 x 10 ⁶ operations	1 x 10 ⁸ operations
0.72 x 0.60 x 0.41	0.74 x 0.42 x 0.61	QC: 1.20 x 0.63 x 0.93 PCB: 1.20 x 0.63 x 1.04	0.70 x 0.41 x 0.49	1.39 x 0.39 x 0.39
THT	THT	THT	THT	THT
—	—	Quick connect	—	—
—	—	—	—	—
—	—	—	—	—
UL/CUR	UL/CUR	UL/CUR/TÜV	UL/CUR/VDE	UL/CSA

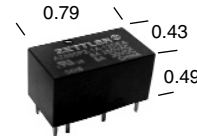
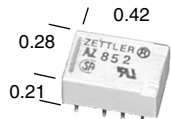
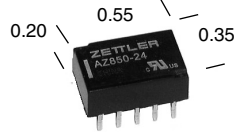
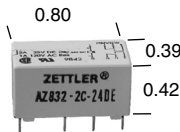


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Relay Selection Guide



SERIES		AZ832/AZ832P	AZ850/AZ851	AZ852/AZ853	AZ880
FEATURES		• Low profile for compact board spacing • DC coils to 48 VDC • Single and dual coil latching versions • Meets FCC Part 68.302 & 304 • High switching capacity, 60 W, 250 VA	• Bistable (latching) versions available • Microminiature size • Meets FCC Part 68.302 • High sensitivity (79 mW) • Stable contact resistance for low level signal switching • All plastics meet UL94 V-0, 30 min. oxygen index	• Microminiature size • Meets FCC Part 68.302 • High sensitivity (79 mW) • Stable contact resistance for low level signal switching • All plastics meet UL94 V-0, 30 min. oxygen index • Bistable (latching) versions available	• Dielectric Strength 4000 Vrms • 10 Amp switching • Epoxy sealed version available • Single & Dual coil latching versions available • UL, CUR file E44211
EPOXY SEALED		Yes	Yes	Yes	Yes
CONTACTS	Form	2 Form C	2 Form C	2 Form C	1 Form A, B 2 Form A
	Ratings (Resistive)	2 A at 30 VDC 2 A at 125 VAC	1 A at 30 VDC 0.5 A at 125 VAC	2.0 A at 30 VDC 0.5 A at 125 VAC 0.3 A at 110 VDC	Form A: 10 A at 250 VAC 10 A at 30 VDC Form C: 8 A at 250 VAC 8 A 30 VDC
COIL VOLTAGES		AZ832: 3 thru 48 VDC AZ832P: 2.25 thru 24 VDC	3 thru 48 VDC	1.5 thru 24 VDC	3 thru 24 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		AZ832: 96 mW AZ832P: 128 mW	Single Side Stable: 79-169 mW Bistable (latching) Single Coil: 56-84 mW Bistable (latching) Two Coil: 113-169mW	79 mW (3-12 VDC) 130 mW (24 VDC)	137 mW
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 1500 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 1000 Vrms	Contact to coil: 1000 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 1000 Vrms	Contact to coil: 1500 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 1000 Vrms	Contact to coil: 4000 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 2000 Vrms
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 2 A at 30 VDC or 1 A at 125 VAC 2 x 10 ⁶ at 1 A 30 VDC or 0.5 A at 125 VAC	1 x 10 ⁵ at 0.5 A at 125 VAC 2 x 10 ⁵ at 1.0 A at 30 VDC	1 x 10 ⁵ at 0.5 A at 125 VDC 2 x 10 ⁵ at 1.0 A at 30 VDC	1 x 10 ⁶ at 10 A at 250 VAC
	Mechanical	2 x 10 ⁷ operations	1 x 10 ⁸ operations	1 x 10 ⁸ operations	1 x 10 ⁷ operations
APPROXIMATE SIZE IN INCHES L x W x H		0.80 X 0.39 X 0.42	AZ850: 0.55 x 0.35 x 0.20 AZ851: 0.56 x 0.37 x 0.24	AZ852: 0.42 x 0.28 x 0.21 AZ853: 0.42 x 0.35 x 0.22	0.79 x 0.43 x 0.49
TERMINALS	PC	THT	THT/SMT	THT/SMT	THT
	Solder/Plug-in	—	—	—	—
	Bracket Mount	—	—	—	—
	Socket	—	—	—	—
APPROVAL		UL/CUR	UL/CUR	UL/CSA	UL/CUR

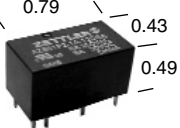
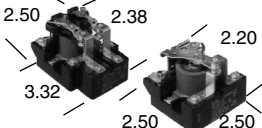
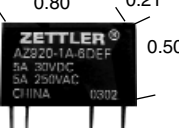
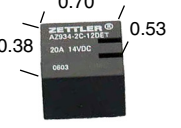
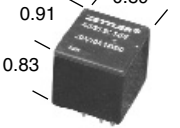


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Relay Selection Guide

				
AZ881	AZ900	AZ920	AZ934	AZ935
- Dielectric Strength 3000 Vrms 8 Amp switching - Class B (130°C) insulation standard - Class F (155°C) insulation available - Single & Dual coil latching versions available	1 Form C contacts, 2 Form C Contacts - AC and DC coils available - UL Class F (155°C) molded construction - UL, CUL file E44211	- Slim SIP package - High sensitivity (58 mW) - Class B (130°C) insulation standard - Class F (155°C) available - Up to 5 Amp switching in a compact size	- Two separate relays in one package - Quiet operation - Vibration and shock resistant - Up to 20 Amp switching in a compact size - ISO/TS 16949, ISO14000	- Two separate relays in one package - Extremely quiet operation - Vibration and shock resistant - Up to 20 Amp switching in a compact size - ISO/TS 16949, ISO14000
Yes	Yes	Yes	Yes	Yes
1 Form A, B 2 Form A	1 Form C 2 Form C	1 Form A	1 Form C 2X 1 Form C	2X 1 Form C
Form A: 8 A at 250 VAC 5 A at 30 VDC Form C: 5 A at 250 VAC 5 A 30 VDC	30 A at 240 VAC 1.5 HP at 120 VAC 2.0 HP at 240 VAC 20 A at 600 VAC 30 A at 28 VDC	5 A at 30 VDC or 250 VAC	25 A / 20 A Make/Break 1 Form C: 20 A at 14 VDC 2X 1 Form C: 20 A at 14 VDC	25 A / 20 A Make/Break 2X 1 Form C: 25 A at 20 VDC
3 thru 24 VDC	6 thru 110 VDC 6 thru 480 VDC	5 thru 24 VDC	12 VDC	12 VDC
192 mW	DC: 1.12 W AC: 6.9 VA	5-18 Volt coils: 58 mW 24 Volt coils: 88 mW	203 mW	203 mW
Contact to coil: 4000 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 2000 Vrms	Contact to coil: 2200 Vrms Between open contacts: 2200 Vrms	Contact to coil: 2500 Vrms Between open contacts: 1000 Vrms	Contact to coil: 500 Vrms Between open contacts: 500 Vrms	Contact to coil: 500 Vrms Between open contacts: 500 Vrms
1 x 10 ⁵ at 8 A at 250 VDC	1 x 10 ⁵ at 30 A at 240 VAC	1 x 10 ⁵ at 5 A, 30 VDC Res.	2 x 10 ⁵ at 20 A, 14 VDC Res.	2 x 10 ⁵ at 20 A at 14 VDC
1 x 10 ⁷ operations	1 x 10 ⁷ operations	2 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations
0.79 x 0.43 x 0.49	1 Form C: 2.50 x 2.50 x 2.20 2 Form C: 3.32 x 2.38 x 2.50	0.80 x 0.21 x 0.50	1 Form C: 0.70x 0.38 x 0.53 2 Form C: 0.70x 0.67x 0.53	0.89 x 0.91 x 0.83
THT	—	THT	THT	THT
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
UL/CUR	UL/CUL	UL/CUR/TÜV	UL/CUR/VDE	—

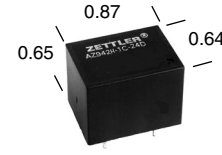
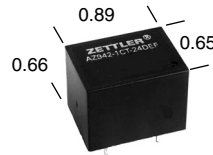
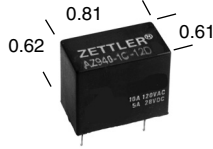
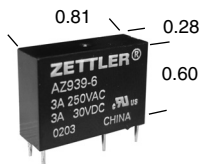


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Relay Selection Guide



SERIES		AZ939	AZ940	AZ942	AZ942H
FEATURES		- Extremely small footprint 3 Amp switching in miniature size - High dielectric strength, 4000 Vrms - High sensitivity (113 mW)	- High switching capacity, 10 Amps 4 kV dielectric strength - SPST and SPDT versions available - High sensitivity (113 mW)	- High switching capacity - Extremely low cost - Class B (130°C) insulation standard - Class F (155°C) available - High dielectric strength	- Extremely low cost - High switching capacity - Class B (130°C) insulation standard - Class F (155°C) available - DC coils to 48 VDC - Meets IEEE 587 6 kV lightning surge
EPOXY SEALED		Yes	Yes	Yes	Yes
CONTACTS	Form	1 Form A	1 Form A,C	1 Form A, C	1 Form A, C
	Ratings (Resistive)	3 A at 250 VAC 3 A at 30 VDC 1/10 HP at 250 VAC	Form A 10 A at 277 VAC 5 A at 30 VDC Form C 3 A at 30 VDC / 250 VAC	16 A at 250 VAC 12 A at 28 VDC or 277 VAC 1/3 HP at 125 VAC 2 A at 240 VAC Pilot Duty	Form A 10 A at 28 VDC 10 A at 277 VAC Form C 7 A at 28 VDC 12 A at 125 VAC
COIL VOLTAGES		4.5 thru 24 VDC	3 thru 24 VDC	3 thru 48 VDC	3 thru 48 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		113 mW	Standard: 253 mW Sensitive: 113 mW	230 mW	230 mW
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 4000 Vrms Between open contacts: 750 Vrms	Contact to coil: 4000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 1750 Vrms Between open contacts: 1000 Vrms	Contact to coil: 3000 Vrms Between open contacts: 1000 Vrms Contact to Coil Surge: 6 kV
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 3 A at 30 VDC or 250 VAC	1 x 10 ⁵ at 10 A at 120 VAC	1 x 10 ⁵ at 10 A at 277 VAC	1 x 10 ⁵ at 10 A at 277 VAC
	Mechanical	5 x 10 ⁶ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations
APPROXIMATE SIZE IN INCHES L x W x H		0.81 x 0.28 x 0.60	0.81 x 0.42 x 0.62	0.89 x 0.65 x 0.66	0.87 x 0.64 x 0.65
TERMINALS	PC	THT	THT	THT	THT
	Solder/Plug-in	—	—	—	—
	Bracket Mount	—	—	—	—
	Socket	—	—	—	—
APPROVAL		UL/CUR	UL/CUR/VDE	UL/CUR	UL/CUR

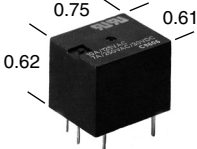
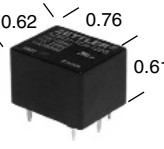
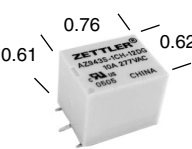
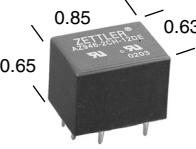


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NEW NEW				
				
AZ943	AZ943H	AZ943S	AZ946	AZ954
• Low seated height • Low cost • TV-5 rating • Class B (130°C) insulation standard • Class F (155°C) available	• High performance • Low seated height • 4.5 kV surge withstand • Flux tight and sealed versions available • Class B insulation (130°C) standard, Class F (155°C) available	• High Performance • Low seated height • Flux tight version • Class F insulation (155°C) • UL, CUR file E43203 • Surface mount	• Subminiature size • Coils up to 48 VDC • Extremely low cost	• Subminiature size for high density packaging • High sensitivity (114 mW) • Coils to 24 VDC • Extremely low cost • 5 or 6 pin PC layout • Class B (130°C) and Class F (155°C) available
Yes	Yes	Yes	Yes	Yes
1 Form A, C	1 Form A, C	1 Form A, C	2 Form C	1 Form C
Form A 15 A at 125 VAC 10 A at 277 VAC TV-5 120 VAC 1/2 HP at 125 VAC Form C 10 A at 277 VAC 1/2 HP at 125 VAC 125 VA at 120 VAC Pilot Duty 10A/7A N.O./N.C. at 30 VDC	Form A 15 A at 125 VAC 10 A at 277 VAC TV-5 120 VAC 1/2 HP at 125 VAC Form C 10 A at 277 VAC 1/2 HP at 125 VAC 125 VA at 120 VAC Pilot Duty 10A/7A N.O./N.C. at 30 VDC	Form A 15 A at 125 VAC 10 A at 277 VAC TV-5 120 VAC 1/2 HP at 125 VAC Form C 10 A at 277 VAC 1/2 HP at 125 VAC 125 VA at 120 VAC Pilot Duty 10A/7A N.O./N.C. at 30 VDC	6 A at 30 VDC 5 A at 277 VAC 6 A at 125 VAC	2 A at 125 VAC 1 A at 30 VDC
5 thru 48 VDC	5 thru 48	5 thru 48	3 thru 48 VDC	3 thru 24 VDC
203 mW	203 mW	203 mW	384 mW	Standard: 114 mW
Contact to coil: 1500 Vrms Between open contacts: 1000 Vrm	Contact to coil: 2500 Vrms Between open contacts: 1000 Vrms	Contact to coil: 1500 Vrms Between open contacts: 1000 Vrms	Contact to coil: 1000 Vrms Between open contacts: 750 Vrms Contact set to contact set: 1000 Vrms	Contact to coil: 1250 Vrms Between open contacts: 750 Vrms
1 x 10 ⁵ at 10 A at 277 VAC	1 x 10 ⁵ at 10 A 277 VAC	1 x 10 ⁵ at 10 A 277 VAC	1 x 10 ⁵ at 5 A at 277 VAC	1 x 10 ⁵ at 2 A at 120 VAC
1 x 10 ⁷ operations	1 x 10 ⁶ operations	1 x 10 ⁷ operations	2 x 10 ⁷ operations	1 x 10 ⁷ operations
0.75 x 0.61 x 0.62	0.76 x 0.61 x 0.63	0.76 x 0.62 x 0.61	0.85 x 0.63 x 0.65	0.62 x 0.42 x 0.47
THT	THT	SMT	THT	THT
—	—	—	—	—
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—	—	—	—	—
UL/CUR/TÜV	UL/CUR	UL/CUR	UL/CUR	UL/CUR

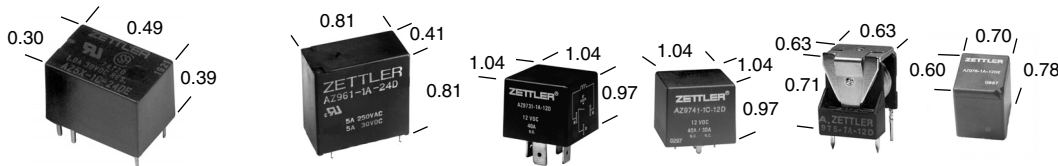


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Relay Selection Guide



SERIES		AZ957	AZ961	AZ9731/AZ9741	AZ975/AZ976
FEATURES		• Subminiature size • Designed for compact high density mounting • High sensitivity (96 mW) • Meets FCC Part 68.302 & 68.304	• Subminiature size • Designed for compact high density mounting • High sensitivity (129 mW) • Withstands 4 kV surge • Class B (130°C) insulation standard	• 40 A contact rating • Quick connect terminals • Metal or plastic mounting bracket options • Resistor or diode parallel to coil available • ISO/TS 16949, ISO14001 • SAE J2544 tested	• 20 A switching in compact size • Small footprint • Open, covered or sealed • Six different contact arrangements available • Vibration and shock resistant • ISO/TS 16949, ISO14000 • SAE J2544 tested
EPOXY SEALED		Yes	Yes	Yes	Yes
CONTACTS	Form	1 Form C	1 Form A, C	1 Form A, C	1 Form A, B, C, U, V, W
	Ratings (Resistive)	1 A at 30 VDC 0.5 A at 125 VAC 0.3 A at 60 VDC	Form A 5 A at 250 VAC 3 A at 30 VDC Form C 5 A/3 A at 250 VAC 5 A/3 A at 30 VDC	Form A 40 A at 14 VDC Form C 40/30 A at 14 VDC	Form A 20 A at 14 VDC 15 A at 13 VDC
COIL VOLTAGES		1.5 thru 24 VDC	3 thru 48 VDC	6, 12, 24 VDC	6, 12, 24 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		Standard: 128 mW Sensitive: 96 mW	Standard: 176 mW Sensitive: 129 mW	680 mW	514 mW
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 1250 Vrms Between open contacts: 400 Vrms	Contact to coil: 2000 Vrms Between open contacts: 1000 Vrms Contact to coil surge: 4000 V	Contact to coil: 500 Vrms Between open contacts: 500 Vrms	Contact to coil: 500 Vrms Between open contacts: 500 Vrms
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 0.5A at 120 VAC	1 x 10 ⁵ at 5 A at 240 VAC	1 x 10 ⁵ at 40 A at 14 VDC	1 x 10 ⁵ at 12 A at 14 VDC
	Mechanical	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations
APPROXIMATE SIZE IN INCHES L x W x H		0.49 x 0.30 x 0.39	0.81 x 0.41 x 0.81	AZ9731: 1.04 x 1.04 x 0.97 AZ9741: 1.04 x 1.04 x 0.97	AZ975: 0.52 x 0.63 x 0.71 AZ976: 0.70 x 0.60 x 0.78
TERMINALS	PC	THT	THT	THT	THT
	Solder/Plug-in	—	—	Quick-Connects	—
	Bracket Mount	—	—	X	—
	Socket	—	—	X	—
APPROVAL		UL/CUR	UL/CUR	—	—



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Relay Selection Guide

AZ977	AZ979	AZ980	AZ983	AZ984
• Up to 20 Amp switching capability • Coils to 24 VDC • Class F insulation system standard • Vibration and shock resistant • ISO/TS 16949, ISO 14001 • Cost effective	• 80 Amp contact rating - "Super ISO" • High operating temperature (85°C) • Quick connect terminals • ISO/TS16949, ISO14001 • Tested in accordance with SAEJ2544	• 80 Amp contact rating - "Super ISO" • High momentary carry current (500A) • ISO/TS 16949, ISO14001 • High operating temperature (85° C) • Tested in accordance with SAEJ2544	• 80 Amp contact rating • High momentary current (500 A) • High operating temperature (85° C) • ISO/TS 16949, ISO14001 • SAE J2544 tested	• 280-ISO • Up to 20 A switching in a compact size • Small footprint • Shroud model • Vibration and shock resistant • Designed for high in-rush applications (120 A)
No	Yes	Yes	Yes	No
1 Form A, C	1 Form A, B, C	1 Form A, B, C	1 Form A, B, C	1 Form A, C
20 A at 14 VDC	Form A 80 A at 14 VDC Form B, C 60 A at 14 VDC	Form A 80 A at 14VDC Form B, C 60A at 14 VDC	Form A 80 A at 14 VDC Form B, C 60 A at 14 VDC	Form A 20 A at 14 VDC Form C 20/10 A at 14 VDC
6 thru 24 VDC	6 thru 24 VDC	6 thru 24 VDC	6 thru 24 VDC	12 VDC
Standard: 534 mW Sensitive: 421 mW	760 mW	760 mW	760 mW	534 mW
Contact to coil: 1000 VDC Between open contacts: 500 VDC	Contact to coil: 500 Vrms Between open contacts: 500 Vrms	Contact to coil: 500 Vrms Between open contacts: 500 Vrms	Contact to coil: 500 Vrms Between open contacts: 500 Vrms	Contact to coil: 500 Vrms Between open contacts: 500 Vrms
1 x 10 ⁵ at 20 A 14 at VAC	1 x 10 ⁵ at 80 A 14 VDC	1 x 10 ⁵ at 80 A 14 VDC	1 x 10 ⁵ at 80 A at 14 VDC	1 x 10 ⁵ at 20 A at 14 VDC
1 x 10 ⁶ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁶ operations
.906 x .610 x 1.02	1.173 x 1.315 x 1.614	1.17 x 1.17 x 0.98	1.14 x 1.14 x 1.10	0.91 x 0.61 x 1.01
—	—	—	THT	—
X	X	Quick Connects	—	Quick Connects
—	X	—	—	—
X	X	X	—	—
—	—	—	—	—

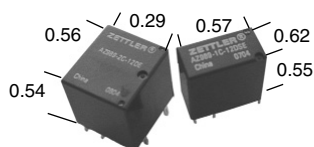
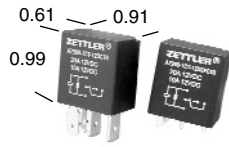
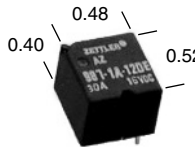
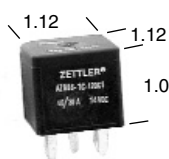


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Relay Selection Guide



SERIES		AZ986	AZ987	AZ988	AZ989
FEATURES		•280-ISO •40 Amp contact rating •High operating temperature •Quick connect terminals •Vibration and shock resistant •Shrouded weatherproof cover available •Resistor or diode parallel to coil available	•Up to 30 A switching in a compact size •Cost effective •Vibration and shock resistant •Designed for high in-rush applications •ISO/TS 16949, ISO14000 •SAE J2544 tested •Dual versions available	•Micro-ISO •Up to 30 A Switching in a compact size •Cost effective •Vibration and shock resistant •Designed for high in-rush applications •ISO/TS 16949, ISO14000 •SAE J2544 tested •Dual versions available	•Up to 25 A Switching in a compact size •Cost effective •Single and dual (twin) relay •Vibration and shock resistant •Epoxy sealed for automatic wave soldering •ISO/TS 16949, ISO14000 •SAE J2544 tested
EPOXY SEALED		Yes	Yes	Yes	Yes
CONTACTS	Form	1 Form A, C	1 Form A, C 2 Form A, C	1 Form A, C	1 Form C 2 Form C
	Ratings (Resistive)	Form A 40 A at 14 VDC Form C 30 A at 14 VDC	30 A at 16 VDC	Form A 30 A at 12 VDC Form C 20 A (N.O.)/10 A (N.C.) at 12 VDC	25 A at 16 VDC Locked Motor
COIL VOLTAGES		6, 12 and 24 VDC	10, 12, and 24 VDC	12 and 24 VDC	12 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		580 mW	187 mW	Standard: 576 mW Sensitive: 418 mW	230 mW
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 500 Vrms Between open contacts: 500 Vrms	Contact to coil: 500 VDC Between open contacts: 500 VDC	Contact to coil: 500 VRMS Between open contacts: 500 VRMS	Contact to coil: 500 VAC Between open contacts: 500 VAC
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 40 A at 14 VDC	3 x 10 ⁵ at 20 A at 14 VDC	1 x 10 ⁵ at 20 A at 12 VDC	1 x 10 ⁵ at 25 A at 14 VDC Locked Motor
	Mechanical	1 x 10 ⁷ operations	1 x 10 ⁶ operations	1 x 10 ⁷ operations	1 x 10 ⁶ operations
APPROXIMATE SIZE IN INCHES L x W x H		1.12 x 1.12 x 1.0	0.48 x 0.52 x 0.40	0.91 x 0.61 x 0.99	0.56 x 0.29 x 0.54 0.56 x 0.56 x 0.54 (Dual)
TERMINALS	PC	—	THT	THT	THT
	Solder/Plug-in	Quick Connects	—	Quick Connects	—
	Bracket Mount	X	—	—	—
	Socket	—	—	—	—
APPROVAL		—	—	—	—

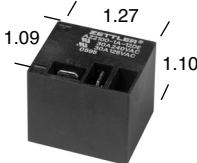
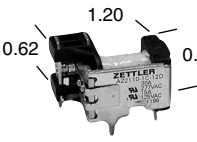
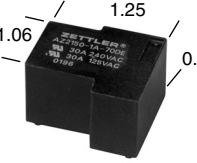
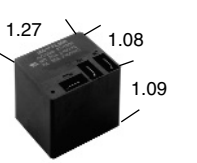
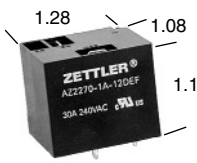


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Relay Selection Guide

				
AZ2100	AZ2110/AZ2120	AZ2150	AZ2200	AZ2270
• Low cost per switched watt • UL 873 spacing • Class B (130°C) insulation standard • Class F (155°C) insulation available • 40 A Form C rating • Coils to 110 VDC	• Low cost per switched watt • UL 873 spacing • Class B (130°C) insulation standard • Class F (155°C) insulation available • 40 A Form C rating • Coils to 110 VDC	• Low cost per switched watt • UL 873 spacing • Class B (130°C) insulation standard • Class F (155°C) insulation available • 40 A Form C rating • Coils to 110 VDC	• Quick connect leads for contacts • AC and DC coils available • Epoxy sealed versions available • UL Class F (155°C) standard • UL, CUR file E44211	• Quick connect leads for contacts • AC and DC coils available • Coils to 277 VAC • High dielectric strength versions available (4000 Vrms) • Class F (155°C) standard
Yes	No	Yes	Yes	Yes
1 Form A, B, C	1 Form A, B, C	1 Form A, B, C	1 Form A, B, C	1 Form A, B, C
40 A at 250 VAC (N.O.) 30 A at 240 VAC 1 HP at 125 VAC 2 HP at 240 VAC	40 A at 250 VAC (N.O.) 30 A at 240 VAC 1 HP at 125 VAC 2 HP at 240 VAC	40 A at 250 VAC (N.O.) 30 A at 277 VAC 1 HP at 125 VAC 2 HP at 240 VAC	30 A at 277 VAC 2 HP at 250 VAC 1 HP at 125 VAC 20/60 (FLA/LRA) at 277 VAC	Form A: 30 A at 277 VAC 2 HP at 250 VAC 1 HP at 125 VAC Form B: 15 A at 277 VAC 10 A at 28 VDC Form C: 30/20 A (N.O./N.C.) at 277 VAC 20/10 A (N.O./N.C.) at 28 VDC
5 thru 110 VDC	5 thru 110 VDC	5 thru 110 VDC	5 thru 48 VDC 12 thru 277 VAC	5 thru 110 VDC 12 thru 277 VAC
500 mW	500 mW	500 mW	DC: 500 mW AC: 1.4 VA	DC: 590 mW AC: 1.3 VA
Contact to coil: 2500 Vrms Between open contacts: 1500 Vrms	Contact to coil: 2500 Vrms Between open contacts: 1500 Vrms	Contact to coil: 2500 Vrms Between open contacts: 1500 Vrms	Contact to coil: 2500 Vrms Between open contacts: 1500 Vrms	Contact to coil: 2500 Vrms High Strength version: 4000 Vrms Between open contacts: 1500 Vrms
1 x 10 ⁵ at 30 A at 120 VAC	1 x 10 ⁵ at 30 A at 120 VAC	1 x 10 ⁵ at 30 A at 120 VAC	1 x 10 ⁵ at 30 A at 120 VAC	1 x 10 ⁵ at 30 A at 120 VAC
1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations
1.27 x 1.09 x 1.10	1.20 x 0.97 x 0.62	1.25 x 1.06 x 0.75	1.27 x 1.08 x 1.09	1.28 x 1.08 x 1.10
THT	THT	THT	THT	THT
—	Quick-Connects - AZ2120	—	—	Quick-Connects
—	—	—	—	X
—	—	—	—	—
UL/CUR/VDE	UL/CUR/VDE	UL/CUR/VDE	UL/CUR	UL/CUR

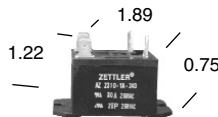
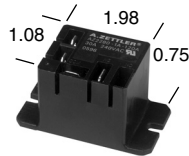


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Relay Selection Guide



SERIES		AZ2280	AZ2310	AZ2500	AZ2501
FEATURES		• Quick connects for coil & contacts • AC and DC coils available • Coils to 277 VAC • Class F (155°C) standard	• Low cost • 30 Amp switching • 144 Amp inrush current • Quick connect terminals • Creepage distance more than 8 mm • UL, CUR file E44211	• Heavy loads to 15000 VA • 4 kV dielectric • 60 Amp switching • Epoxy sealed construction available • Latching	• Low cost • 50 Amp switching • Heavy loads to 13850 VA • 4 kV dielectric • Manual switch available • Epoxy sealed version available • Latching
EPOXY SEALED		Yes	No	Yes	Yes
CONTACTS	Form	1 Form A, B, C	1 Form A	1 Form A	1 Form A, C
	Ratings (Resistive)	Form A: 30 A at 277 VAC 2 HP at 250 VAC 1 HP at 125 VAC Form B: 15 A at 277 VAC 10 A at 28 VDC Form C: 30/20 A (N.O./N.C.) at 277 VAC 20/10 A (N.O./N.C.) at 28 VDC	Form A: 30 A at 250 VAC 2 HP 125/250 VAC TV-15 at 120 VAC	60 A at 250 VAC	1 Form A 50 A at 277 VAC 5000 W at 240 VAC 1 Form C 40A at 277 VAC
COIL VOLTAGES		5 thru 110 VDC 12 thru 277 VAC	3 thru 60 VDC	5 thru 48 VDC	6 thru 48 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		DC: 500 mW AC: 1.4 VA	588 mW	Single coil: 486 mW Dual coil: 980 mW	Single coil: .96 W Dual coil: 1.9 W
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 2500 Vrms Between open contacts: 1500 Vrms	Contact to coil: 4000 Vrms Between open contacts: 1200 Vrms	Contact to coil: 4000 Vrms Between open contacts: 1500 Vrms	Contact to coil: 4000 Vrms Between open contacts: 1500 Vrms
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 30 A at 120 VAC	1 x 10 ⁵ at 30 A 240 VAC	1 x 10 ⁵ at 40 A at 250 VAC	1 x 10 ⁵ at 50 A at 250 VAC
	Mechanical	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁶ operations	1 x 10 ⁶ operations
APPROXIMATE SIZE IN INCHES L x W x H		1.98 x 1.08 x 1.09	1.40 x 1.30 x 0.25	1.51 x 0.64 x 1.20	1.51 x 0.64 x 1.20
TERMINALS	PC	—	—	THT (coil only)	THT
	Solder/Plug-in	Quick-Connects	Quick-Connects	—	—
	Bracket Mount	X	X	—	—
	Socket	—	—	—	—
APPROVAL		UL/CUR	UL/CUR	UL/CUR	UL/CUR



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Relay Selection Guide

				
AZ2510	AZ2700-AZ2705	AZ2800/AZ2850	AZ6951	AZ6961
• 100 Amps switching • Heavy loads to 24000 VA • 4 kV dielectric • Meets 8 mm creepage • Mechanical position indicator which may be also used for manual operation or to actuate a micro-switch • Latching	• High in-rush capability • Quick-connects • Class B (130°C) insulation standard • Screw terminal available • Standard (2.4 mm) and wide contact gap (3.0 mm) available • AC and DC coils available • Class F (155°C) insulation available	• 30 Amp switching capability • DPST-N.O. and DPDT configuration • Meets 8 mm creepage, 4000 Vrms dielectric • Class F (155°C) insulation standard	• Small footprint utilizing only 0.18 sq inch • High sensitivity • Epoxy sealed for automatic wave soldering & cleaning • Thin vertical profile only 0.25" wide • UL/CUR File E43203	• 10 Amp switching capability • High sensitivity, 120 mW pickup • Dielectric strength 5000 Vrms • Class B (130°C) insulation standard, Class F available • Isolation spacing greater than 8 mm
No	No	Yes	Yes	Yes
1 Form A	1 Form X (SPST) 2 Form X (DPST)	2 Form A, C	1 Form A	1 Form A, C
100 A at 240 VAC	30 A at 277 VAC 1.5 HP at 120 VAC 3 HP at 240 VAC TV-10 at 120 VAC	30 A at 277 VAC (N.O.) 1 HP at 120 VAC (N.O.) 2.5 HP at 240 VAC (N.O.) 3 A at 277 VAC (N.C.)	5 A at 30 VDC resistive 5 A at 250 VAC general use	10 A at 250 VAC 8 A at 30 VDC B300 Pilot Duty R300 Pilot Duty 1/4 HP at 125 VAC 1/2 HP at 250VAC
6, 12 and 24 VDC	3 thru 200 VDC 6 thru 240 VAC	6 thru 110 VDC 12 thru 277 VAC	5 thru 24 VDC	5 thru 60 VDC
Single Coil: 1.44 W Dual Coil: 2.88 W	DC: 1.08 W AC: 1.2 VA	DC: 925 mW AC: 2.6 VA	100 mW	120 mW
Contact to coil: 4000 Vrms Between open contacts: 2000 Vrms	Contact to coil: 4000 Vrms Between open contacts: 2000 Vrms	Contact to coil: 4000 Vrms Between open contacts: 1500 Vrms Contact set to contact set: 2000 Vrms	Contact to coil: 3000 Vrms Between open contacts: 750 Vrms	Contact to coil: 5000 Vrms Between open contacts: 1000 Vrms
1 x 10 ⁴ at 100 A 240 VAC	1 x 10 ⁵ at 30 A 120 VAC	1 x 10 ⁵ at 30 A at 120 VAC	1 x 10 ⁵ at 5 A at 30 VDC or 250 VAC	3 x 10 ⁵ at 8 A at 240 VAC
1 x 10 ⁶ operations	1 x 10 ⁶ operations	5 x 10 ⁷ operations	2 x 10 ⁷ operations	1 x 10 ⁷ operations
2.37 x 0.57 x 1.88	AZ2700: 1.99 x 1.32 x 1.85 AZ2701: 2.07 x 1.32 x 2.09 AZ2702/03: 2.03 x 1.37 x 1.42 AZ2704: 1.99 x 1.32 x 1.42 AZ2705: 2.03 x 1.32 x 2.09	AZ2800: 2.69 x 1.36 x 1.49 AZ2850: 2.06 x 1.36 x 1.20	0.69 x 0.25 x 0.48	1.13 x 0.41 x 0.49
—	THT	THT (AZ2850)	THT	THT
—	Quick-Connects	Quick-Connects: AZ2800	—	—
—	X	AZ2800	—	—
—	—	—	—	—
—	UL/CUR/TÜV	UL/CUR	UL/CUR	UL/CUR/VDE

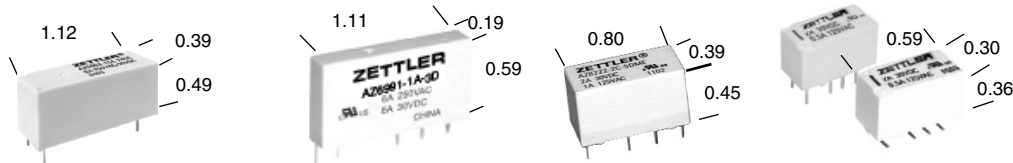


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Relay Selection Guide



SERIES		AZ6962	AZ6991	AZ8222	AZ8462
FEATURES		• High Sensitivity, 120 mW • Proof tracking index (PTI/CTI) 250 • Dielectric strength 5000 Vrms • 10 Amp switching capability • UL, CUR file E43203 • VDE file 40010953	• Extremely small footprint utilizing only 0.22 square inch of PCB area • Thin vertical profile only 0.196" wide • 6 Amp switching capability • High sensitivity, 95 mW pickup • UL/CUR file E43203	• Low profile • Bifurcated contacts • Meets FCC Part 68.302 & 68.304 • Fits standard 16-Pin IC socket • Ultra-sensitive, 84 mW pickup • High switching capacity	• Microminiature size • Meets FCC Part 68.302 & 68.304 • Meets Bellcore 2.5 kV surge test • Low profile DIP package • Bifurcated contacts • High sensitivity (79 mW) • Bistable (latching) versions available
EPOXY SEALED		Yes	Yes	Yes	Yes
CONTACTS	Form	1 Form A 1 Form C 2 Form C	1 Form A 1 Form C	2 Form C	2 Form C
	Ratings (Resistive)	10 A at 250 VAC 10 A 30 VDC 1/2 HP at 240 VAC 1/3 HP at 120 VAC 5 A at 250 VAC	6 A at 277 VAC 6 A 30 VDC R300 Pilot Duty	2 A at 30 VDC 1 A 125 VAC	2.0 A at 30 VDC 0.5 A at 125 VAC
COIL VOLTAGES		5 thru 60 VDC	3 thru 60 VDC	3 thru 48 VDC	1.5 thru 48 VDC (AZ8462)
COIL POWER AT PICKUP VOLTAGE (typical)		120 mW	95 mW	Standard: 180 mW Sensitive: 100 mW Ultra-sensitive: 84 mW	79 mW (3-24 VDC) 152mW (48VDC)
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 5000 Vrms Between open contacts: 1500 Vrms Contact set to contact set: 2500 Vrms	Contact to coil: 4000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 1500 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 1500 Vrms	Contact to coil: 1500 Vrms Between open contacts: 1000 Vrms Contact set to contact set: 1000 Vrms
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 8 A at 250 VAC	3x 10 ⁴ at 6 A at 30 VAC	1 x 10 ⁵ at 2 A at 30 VDC	1 x 10 ⁵ at 0.5 A at 125 VAC 2 x 10 ⁵ at 1.0 A at 30 VDC
	Mechanical	3 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁸ operations
APPROXIMATE SIZE IN INCHES L x W x H		1.12 x 0.39 x 0.49	1.11 x 0.19 x 0.59	0.80 x 0.39 x 0.45	0.59 X 0.30 X 0.36 (AZ8462)
TERMINALS	PC	THT	THT	THT	THT/SMT
	Solder/Plug-in	—	—	—	—
	Bracket Mount	—	—	—	—
	Socket	—	—	—	—
APPROVAL		UL/CUR/VDE	UL/CUR	UL/CUR	UL/CUR

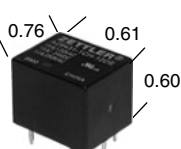
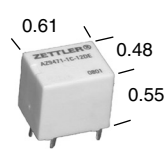
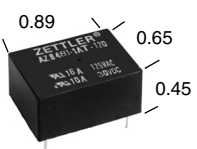


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Relay Selection Guide

				
				
AZ9321	AZ9421A	AZ9431	AZ9471	AZ9481
• High performance • 6 kV lightning surge withstand • Flux tight and sealed versions available • Class F insulation system standard • UL, CUR file E44211	• High switching capacity-20 Amps • DC coils to 24 VDC • Epoxy sealed versions available • Class F insulation for high temperature operation • QS9000, ISO9001, ISO14001 • Cost effective	• High performance • Low seated height • Flux tight and sealed versions available • Class B (130°C) insulation standard	• Subminiature size • High in-rush capability • 25 A switching in compact size • High operating temperature • 0.3 mm contact gap • ISO/TS 16949, ISO14000 • Tested in accordance with SAE J2544	• High power switching (4000 VA) • High sensitivity, 128 mW pickup • DC coils up to 48 VDC • Low profile (less than .5" height) • UL file E43203
Yes	Yes	Yes	Yes	Yes
1 Form A, C	1 Form A, C	1 Form A, C	1 Form C	1 Form A, C
20 A at 125 VAC 17 A at 277 VAC 1HP at 250 VAC 1HP at 125 VAC TV-8 at 125 VAC	420 W or 2500 VA 20 A at 250 VAC 30 VDC or 250 VAC	Medium duty: 10 A at 24 VDC or 120 VAC Heavy duty: 15 A at 24 VDC 10 A at 250 VAC 15 A at 120 VAC	20 A at 14 VDC (motor make) 4 A at 14 VDC (motor break)	Form A 10 A at 250 VAC 10 A at 30 VDC 16A at 125VAC Form C 10/6 A (N.O./N.C.) at 250 VAC 10/6 A (N.O./N.C.) at 30 VDC
5 thru 48 VDC	6 thru 24 VDC	5 thru 48 VDC	6 thru 24 VDC	5 thru 48 VDC
203 mW	450 mW	203 mW	222 mW	128 mW
Contact to coil: 3000 Vrms Between open contacts: 1000 Vrms	Contact to coil: 2500 Vrms Between open contacts: 1000 Vrms	Contact to coil: 1500 Vrms (6kV version) 3000 Vrms Across contacts: 1000 Vrms	Contact to coil: 500 Vrms Between open contacts: 500 Vrms	Contact to coil: 2500 Vrms Between open contacts: 1000 Vrms
5 x 10 ⁴ at 20 A at 120 VAC	1 x 10 ⁵ at 20 A at 14 VDC	1 x 10 ⁵ at 10 A at 120 VAC	1 x 10 ⁵ at 25 A at 14 VDC	1 x 10 ⁵ at 10 A at 250 VAC
1 x 10 ⁷ operations	1 x 10 ⁷ operations	1 x 10 ⁶ operations	1 x 10 ⁶ operations	1 x 10 ⁷ operations
0.83 X 0.63 X 0.80	0.70 x 0.63 x 0.67	0.76 x 0.61 x 0.60	0.61 x 0.48 x 0.55	0.89 x 0.65 x 0.45
THT	THT	THT	THT	THT
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
UL/CUR/TÜV	—	UL/CUR	—	UL/CUR/TÜV



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Relay Selection Guide

NEW NEW NEW NEW					
SERIES		AZ9481F	AZ9621	AZ9701/AZ9711	AZ9801
FEATURES		• Quick connect and PC terminals • High power switching (4000 VA) • High sensitivity, 128 mW pickup • UL file E43203, TÜV R50053055	• 10 A switching in miniature size • Epoxy sealed version available • Creepage/Clearance 4mm/3mm • Class F (155°C) insulation standard	• Cost effective • High in-rush capability • Open or sealed versions available • US & European footprints • Coils to 24 VDC • ISO/TS 16949, ISO14001 • Tested in accordance with SAE J2544	• Super-ISO • 70 Amp contact rating (Super ISO) • High momentary carry current (500 A) • ISO/TS 16949, ISO14000 • Tested in accordance with SAE J2544
EPOXY SEALED		Yes	Yes	Yes	Yes
CONTACTS	Form	1 Form A	1 Form A, C	1 Form A, C	1 Form A
	Ratings (Resistive)	10 A at 250 VAC 10 A at 30 VDC 16 A at 125 VAC 10 A at 30 VDC 16 A at 250 VAC 8 A at 250 VAC 10 A at 30 VDC	Form A 10 A at 250 VAC Form C 10 A/4 A at 250 VAC	45 A at 14 VDC	70 A at 14 VDC
COIL VOLTAGES		5 thru 48 VDC	5 thru 36 VDC	6, 9, 12, 24 VDC	6, 12, 24 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		128 mW	200 mW	Standard coil: 484-573 mW Sensitive Coil: 675 mW	0.68 W
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 2500 Vrms Between open contacts: 1000 Vrms	Contact to coil: 2500 Vrms Between open contacts: 1000 Vrms	Contact to coil: 500 Vrms Between open contacts: 500 Vrms	Contact to coil: 500 Vrms Between open contacts: 500 Vrms
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 10 A at 250 VAC	5 x 10 ⁴ at 10 A at 250 VAC	1 x 10 ⁵ at 40 A at 14 VDC	1 x 10 ⁵ at 70 A at 14 VDC
	Mechanical	1 x 10 ⁷ operations	5 x 10 ⁶ operations	5 x 10 ⁶ operations	1 x 10 ⁷ operations
APPROXIMATE SIZE IN INCHES L x W x H		1.11 x 0.90 x 1.11	0.60 x 0.60 x 0.80	Open (AZ9701): 0.91 x 0.75 x 0.72 Sealed (AZ9711): 1.04 x 0.87 x 0.88	1.03 x 1.03 x 0.98
TERMINALS	PC	THT	THT	THT	—
	Solder/Plug-in	Quick Connects	—	—	Quick Connects
	Bracket Mount	—	—	—	X
	Socket	—	—	—	X
APPROVAL		UL/CUR/TÜV	UL/CUR	UL/CUR	—



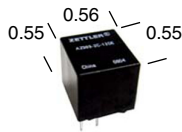
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Relay Selection Guide

NEW



AZ9891H

AZKUP

SERIES FEATURES		• Up to 25 Amp switching capability • Vibration and shock resistant • Dual (Twin) H-Bridge relay • ISO/TS 16949, ISO14001 • Tested in accordance with SAE J2544 • Cost effective	• Plug-in / solder terminals • High switching capacity • AC and DC coils • Unique Armature stop, maintains adjustment • Class F Insulation • UL, CUR file E44211
EPOXY SEALED		Yes	No
CONTACTS	Form	2 Form C	1-3 Form C
	Ratings (Resistive)	25 A at 16 VDC	13 A at 120 VAC 13 A at 277 VAC 3 A at 600 VAC 1/3 HP at 120 VAC 1/2 HP at 277 VAC 10 A at 28 VDC 1HP at 277 VAC 3/4 HP at 600 Vac B600 Pilot Duty
COIL VOLTAGES		12 VDC	12 thru 240 VAC 12 thru 110 VDC
COIL POWER AT PICKUP VOLTAGE (typical)		230 mW	DC : 675 mW AC: 1.6 VA
DIELECTRIC STRENGTH (at sea level for 1 min.)		Contact to coil: 500 Vrms Between open contacts: 500 Vrms	Contact to coil: 2200 Vrms Between open contacts: 800 Vrms Contacts set to contact set: 2200 Vrms
TYPICAL LIFE	Electrical At rated load unless otherwise specified	1 x 10 ⁵ at 25 A at 14 VDC	1 x 10 ⁵ at rated load
	Mechanical	1 x 10 ⁶ operations	1 x 10 ⁷ operations
APPROXIMATE SIZE IN INCHES L x W x H		0.55 x 0.56 x 0.55	2.90 x 1.50 x 2.20
TERMINALS	PC	—	—
	Solder/Plug-in	—	X
	Bracket Mount	X	—
	Socket	X	—
APPROVAL		—	UL/CUR

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TS SERIES	- Thermistors/Temperature Sensors
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ZCPR	- Potential Motor Start Relays

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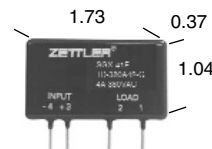
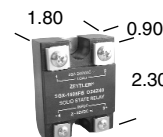
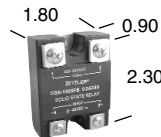
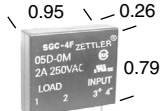
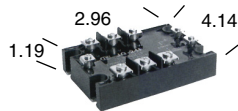


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Relay Selection Guide



		SG-24F	SGC-4F	SGX-1505FB	SG-34F	SGX-41F
FEATURES		• Photo isolation • Up to 800V blocking voltage • LED status indicator • Both "Zero Voltage" and phase controllable Switching versions • High Surge Capability • Built-in Snubber • Triac Output Circuitry	• Photo isolation • 600V blocking voltage • Both "Zero Voltage" and phase controllable "Random" Switching versions • High Surge Capability	• Photo isolation • 800V blocking voltage • Both "Zero Voltage" and phase controllable "Random" Switching versions • High Surge Capability • Built-in Snubber • Triac Output Circuitry	• Photo isolation • Up to 1200V blocking voltage • Both zero cross or random turn-on • High surge capability • Built-in snubber • UL, CUR file E44211	• Photo isolation • Up to 1200V blocking voltage • Both zero cross or random turn-on • High surge capability • Built-in snubber • UL, CUR file E44211
EPOXY SEALED		Yes	Yes	Yes	Yes	Yes
Turn on Voltage	INPUT	3 thru 32 VDC	4 thru 28.8 VDC	3 VDC max.	3 VDC max.	3 VDC max.
Current		35 mA at 32 VDC	15 mA	15 mA	25 mA at 32 VDC	25 mA at 32 VDC
Turn off Voltage		1.0 VDC	1.0 VDC	1.0 VDC	1 VDC min.	1 VDC min.
Voltage Range	OUTPUT	36 to 440 VAC	50 to 250 VAC	Type 24: 48 to 240 VAC Type 38: 48 to 380 VAC	Type 240: 48 to 280 VAC Type 380: 48 to 400 VAC Type 480: 48 to 530 VAC	Type 240: 48 to 280 VAC Type 380: 48 to 400 VAC Type 480: 48 to 530 VAC
Maximum Current		25 A	2 A	40 A	80 A	4 A
Maximum Inrush		250A	30 A	400 A	800A	40A
Min. Load Current		100 mA	15 mA	100 mA	100 mA	100 mA
Leakage Current		3 mA to 10 mA	1.5 mA	3 mA to 10 mA	5 mA	5 mA
Frequency Range		47 to 70 Hz	47 to 70 Hz	47 to 70 Hz	47 to 70 Hz	47 to 70 Hz
DIELECTRIC STRENGTH (at sea level for 1 min.)		4000 Vrms	2000 Vrms	4000 Vrms	4000 Vrms	4000 Vrms
INSULATION RESISTANCE		1000 megohms min. at 500 VDC	1000 megohms min. at 500 VDC	1000 megohms min. at 500 VDC	1000 megohms min. at 500 VDC	1000 megohms min. at 500 VDC
AMBIENT OPERATING TEMPERATURE		-30°C (-22°F) to 80°C (176°F)	-30°C (-22°F) to 80°C (176°F)	-30°C (-22°F) to 80°C (176°F)	-30°C (-22°F) to 80°C (176°F)	-30°C (-22°F) to 80°C (176°F)
APPROXIMATE SIZE IN INCHES L x W x H		2.96 x 4.14 x 1.19	0.95 x 0.26 x 0.79	1.80 x 0.90 x 2.30	1.80 x 0.90 x 2.30	1.73 x 0.37 x 1.04
PC		—	THT	—	—	THT
Solder/Plug-in		—	—	—	—	—
Bracket Mount		—	—	—	—	—
Socket		—	—	—	—	—
Approval		UL/CUR	UL/CUR	UL/CUR	UL/CUR	UL/CUR

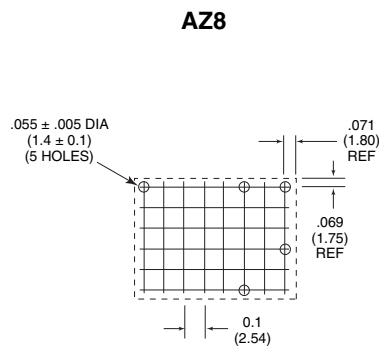
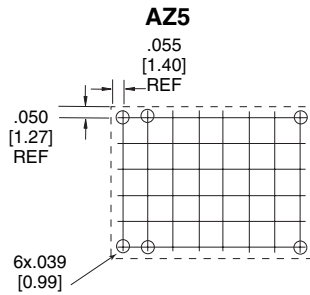


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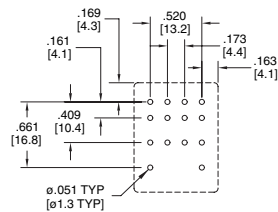
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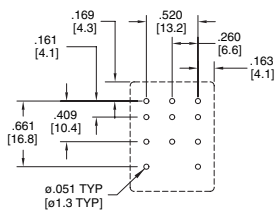
Relay Footprints



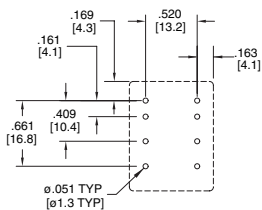
AZ164-166



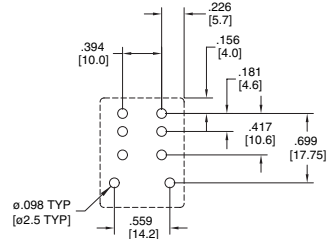
4C



3C

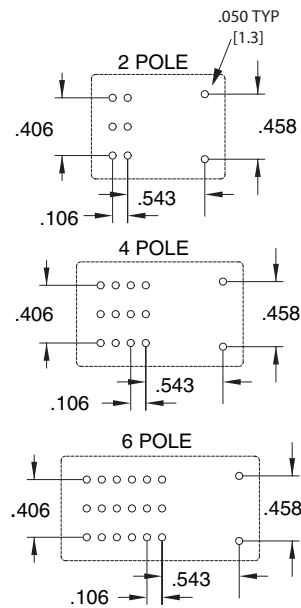


2C

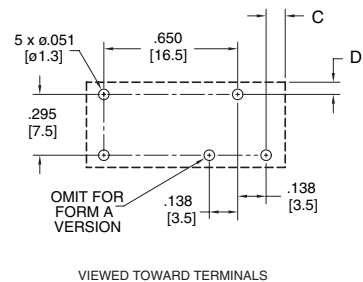


1CT & 2CT

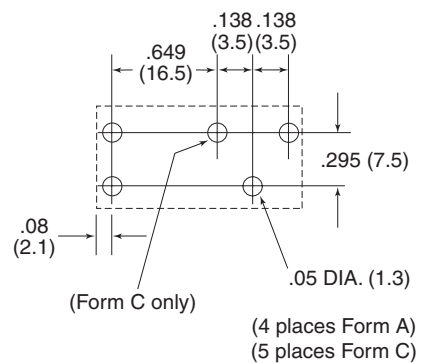
AZ420



AZ673



AZ697



Note: All un dimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



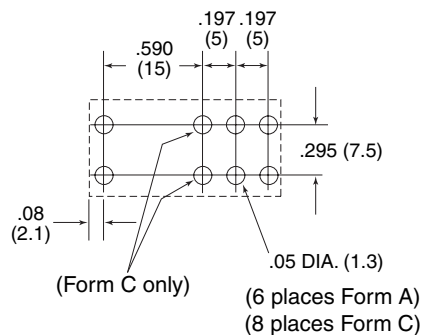
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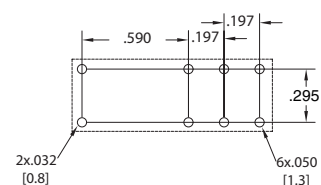
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Relay Footprints

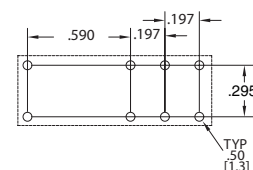
AZ733



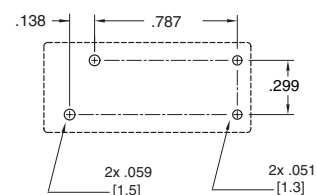
AZ743



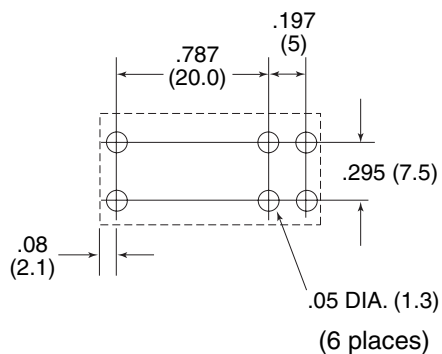
AZ755



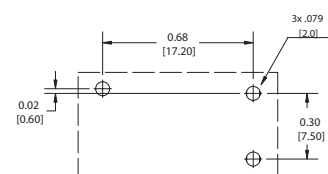
AZ756



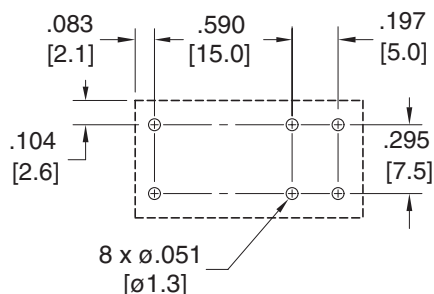
AZ733W



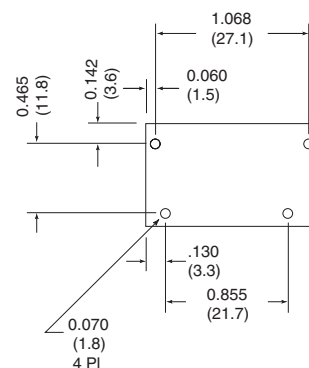
AZ757



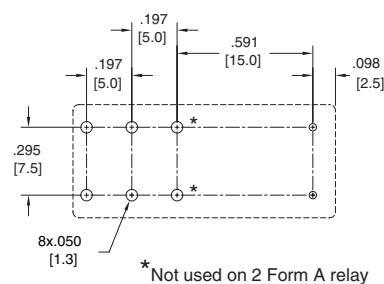
AZ734



AZ760



AZ742



Note: All undimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



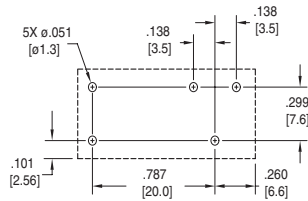
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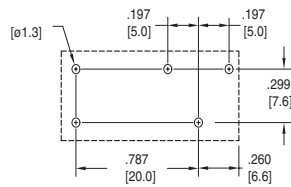
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Relay Footprints

AZ761

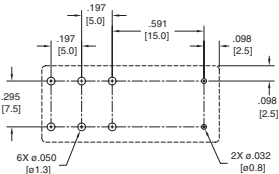


3.5mm SPACING FORM "C"

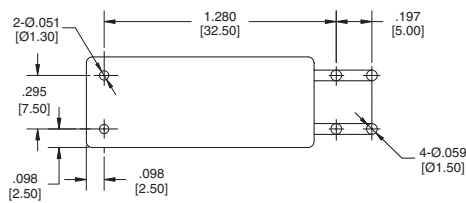


5.0mm SPACING FORM "C"

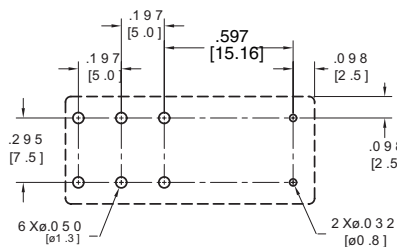
AZ762



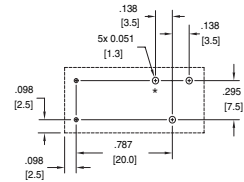
AZ762F



AZ762H

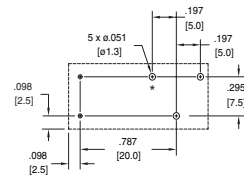


AZ763

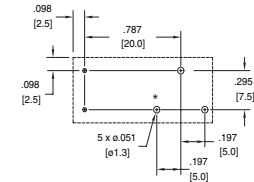


3.5mm SPACING
1 FORM C

* Not used on 1 Form A relay

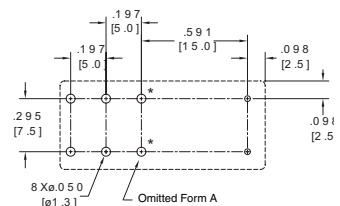


AZ763L
5.0mm LEFT SPACING
1 FORM C

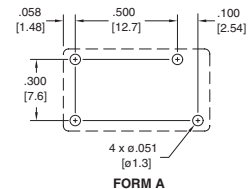


AZ763R
5.0mm RIGHT SPACING
1 FORM C

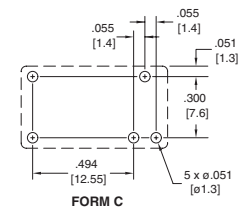
AZ764



AZ765



FORM A



FORM C

VIEWED TOWARD TERMINALS

Note: All undimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



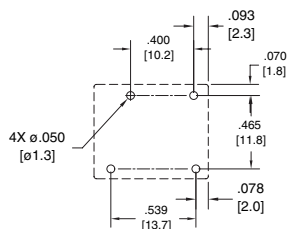
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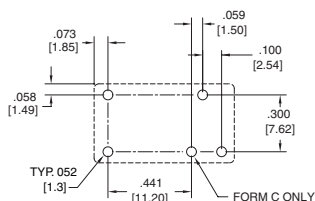
Relay Footprints

AZ766



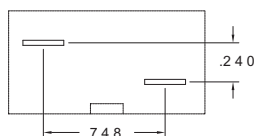
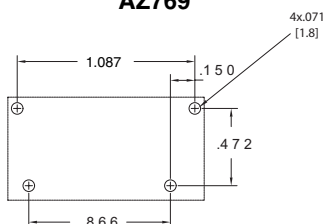
VIEWED TOWARDS TERMINALS

AZ767

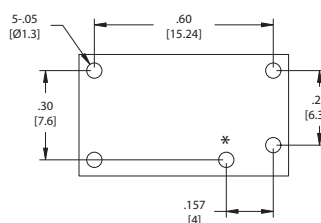


VIEWED TOWARD TERMINALS

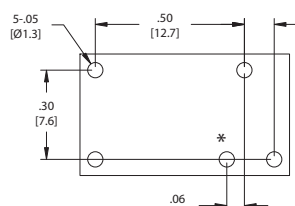
AZ769



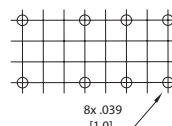
AZ770



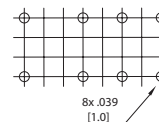
Type 1



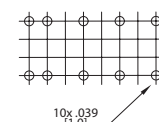
AZ830-4POLE



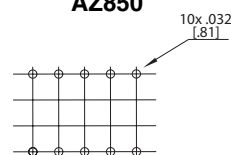
AZ832



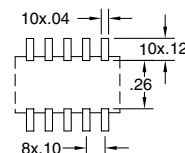
AZ832P



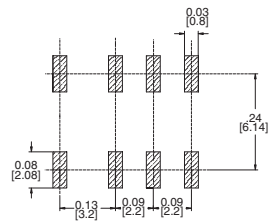
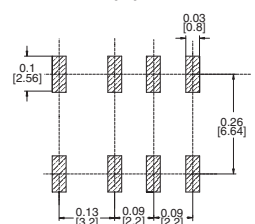
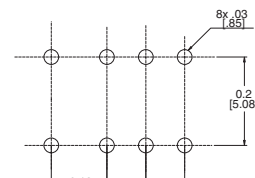
AZ850



AZ851



AZ852



PC Board Layout
(Viewed toward terminals)

Note: All undimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



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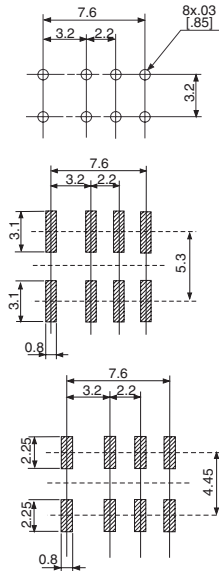
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Relay Footprints

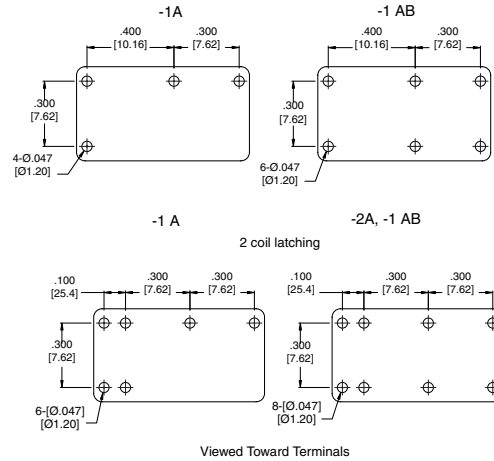
AZ853

PC Board Layout
Viewed toward terminals

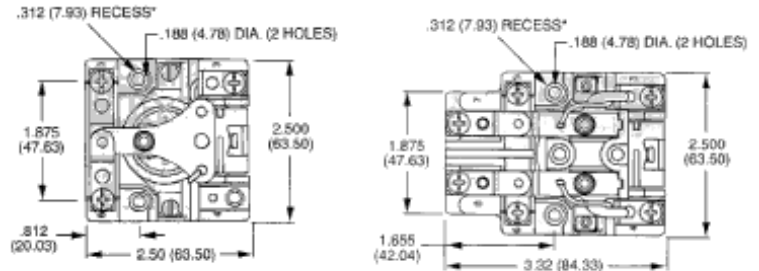


AZ881

Single side stable &
1 coil latching

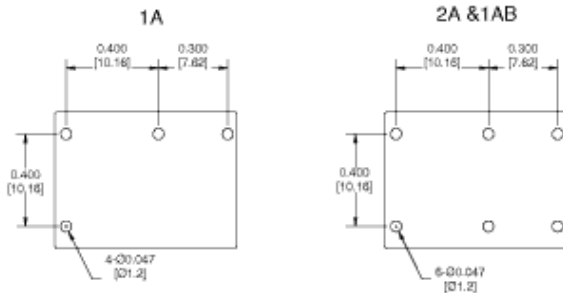


AZ900

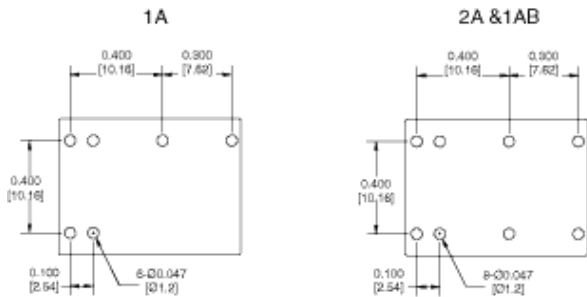


AZ880

Single side stable or 1 coil latching relay



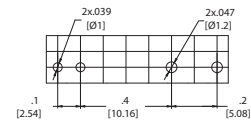
2 coil latching relay



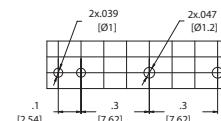
Viewed toward terminals

AZ920

Standard



"K" Version



(Viewed Toward Terminals)

"K" Version

Note: All undimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



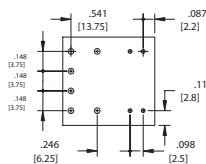
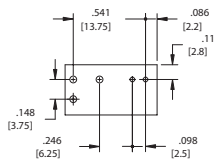
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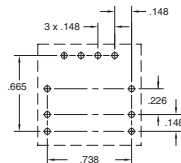
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Relay Footprints

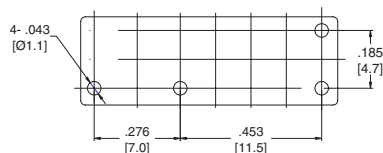
AZ934



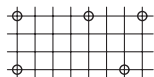
AZ935



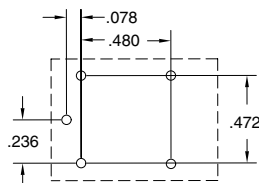
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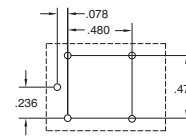
AZ940



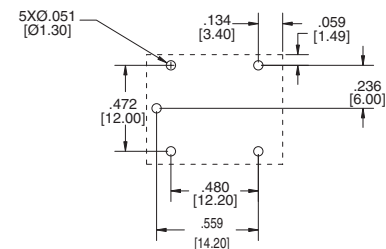
AZ942



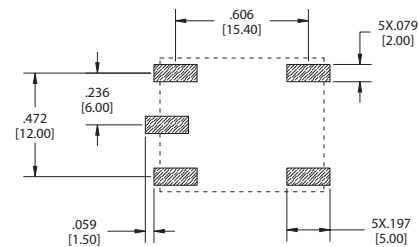
AZ942H



AZ943/AZ943H

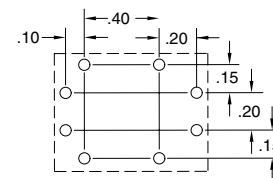


AZ943S



VIED TOWARD TERMINALS

AZ946



AZ954



Note: All un dimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



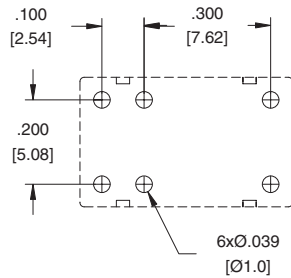
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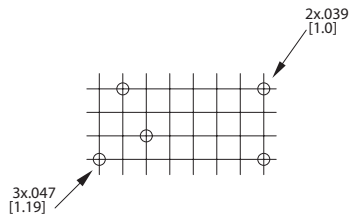
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Relay Footprints

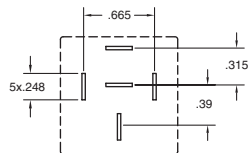
AZ957



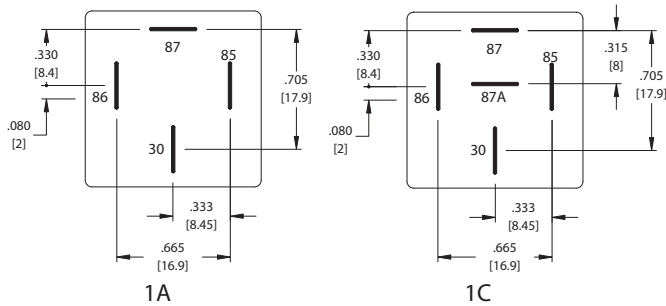
AZ961



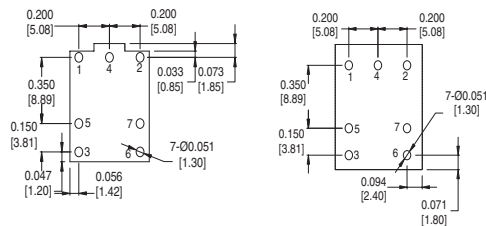
AZ973



AZ974



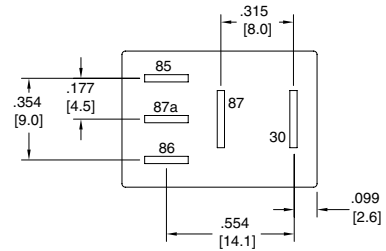
AZ975/AZ976



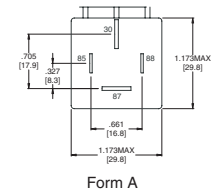
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AZ976

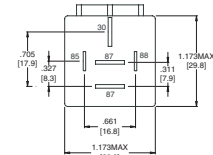
AZ977



AZ979

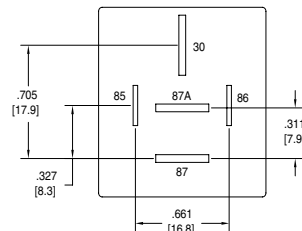


Form A

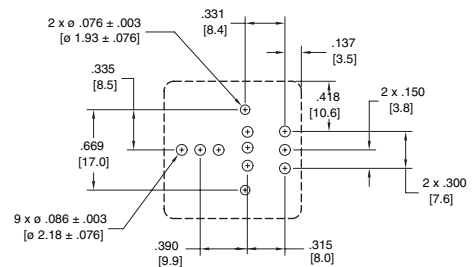


Form C

AZ980



AZ983



**FORM C VERSION SHOWN
VIEWED TOWARD TERMINALS**

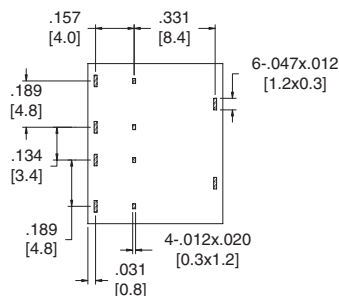
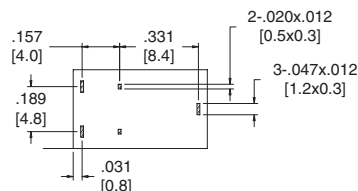
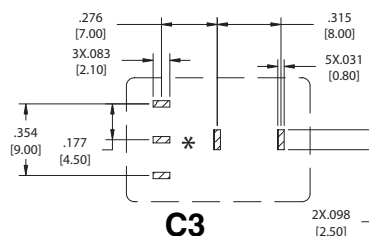
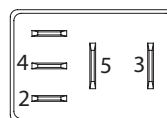
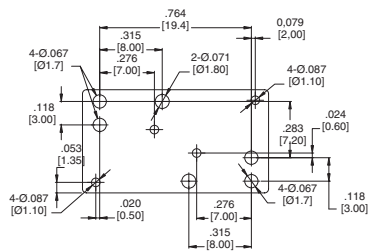
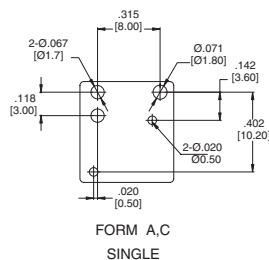
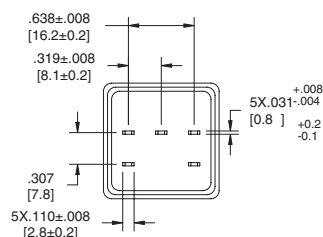
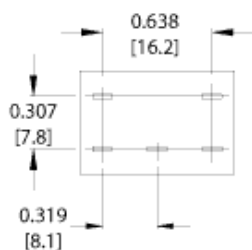
Note: All un dimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



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Note: All undimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



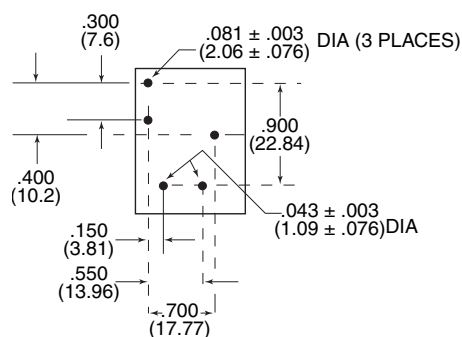
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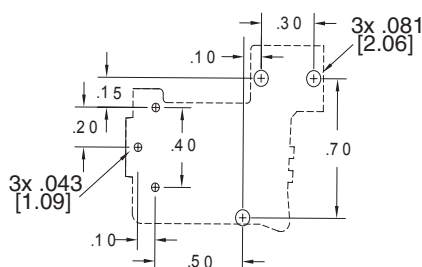
Relay Footprints

AZ2100



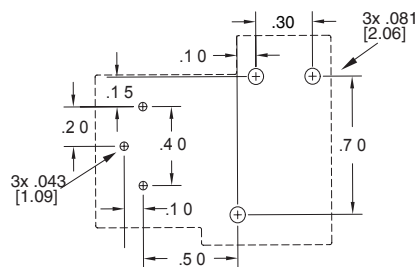
Viewed toward terminals

AZ2110 / AZ2120



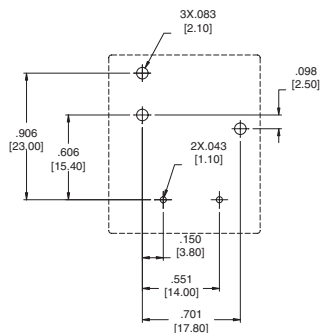
Form C

AZ2150

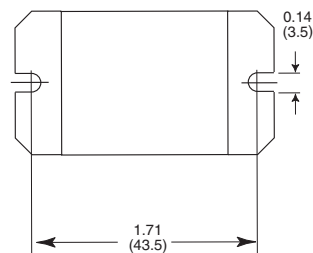


Form C

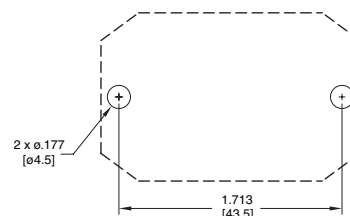
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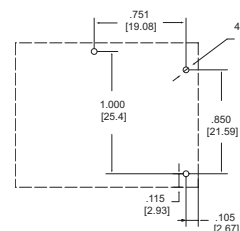
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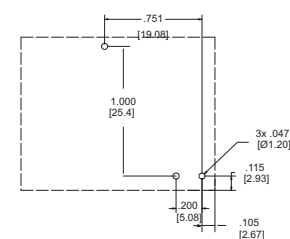
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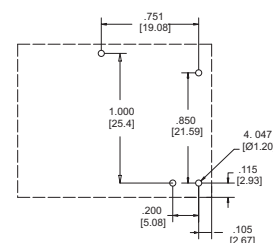
AZ2500



AZ2500P1-Style 1



AZ2500P1-Style 2



AZ2500P2

Note: All un dimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



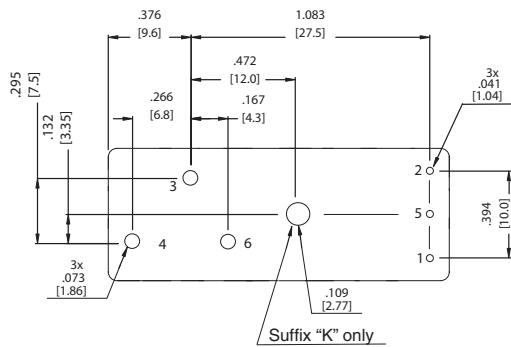
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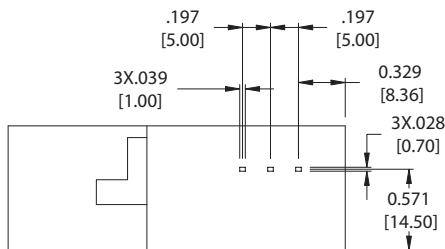
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Relay Footprints

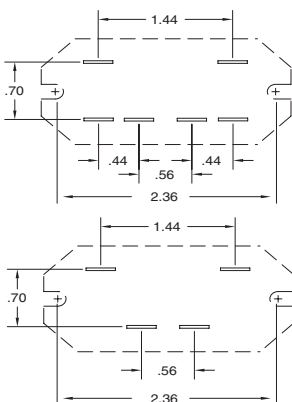
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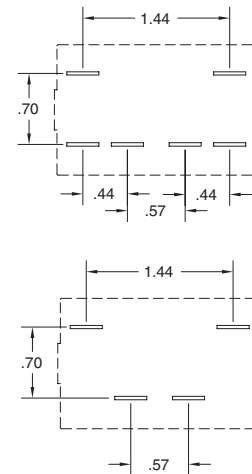
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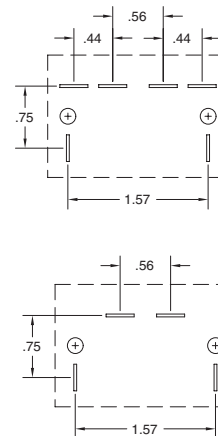
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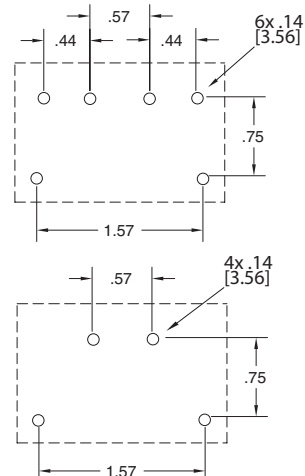
AZ2701



AZ2702



AZ2703



Note: All un dimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



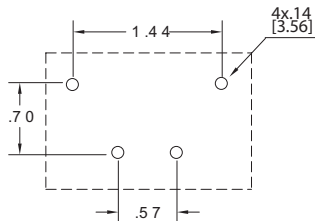
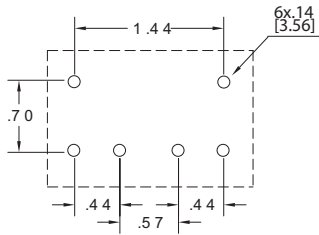
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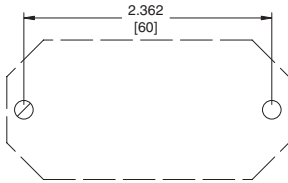
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Relay Footprints

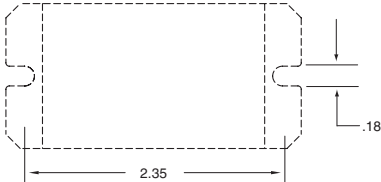
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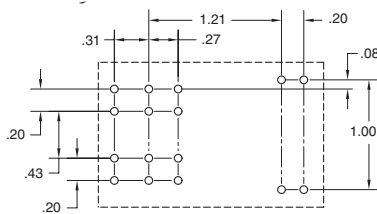
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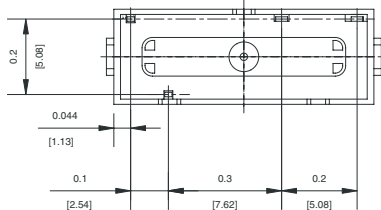
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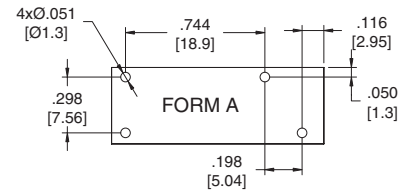
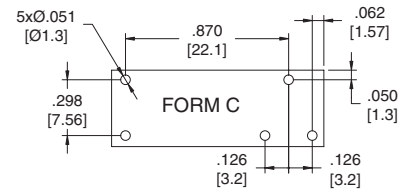
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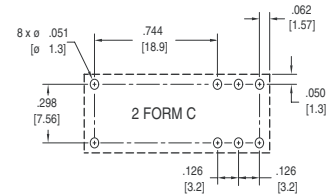
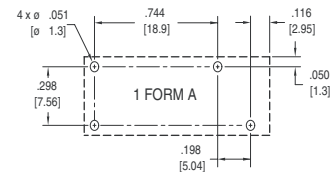
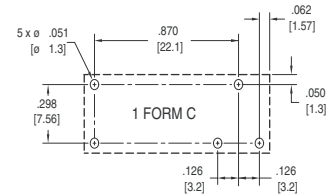
AZ6951



AZ6961



AZ6962

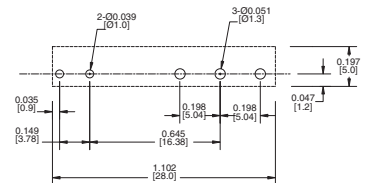
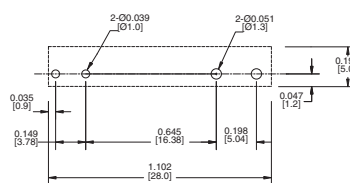


VIEWS TOWARD TERMINALS

AZ6991

1 FORM A

1 FORM C



Note: All undimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



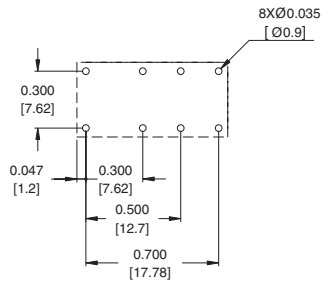
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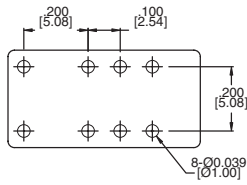
Relay Footprints

AZ8222

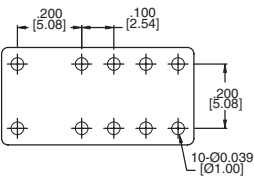


AZ8462

PC Board Layout (DIP type)

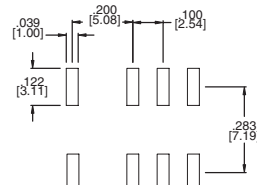


SINGLE SIDE STABLE
& 1 COIL LATCHING

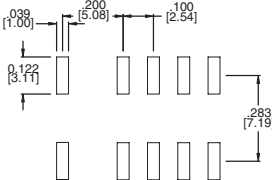


2 COIL LATCHING

PC Board Layout (SMT type)

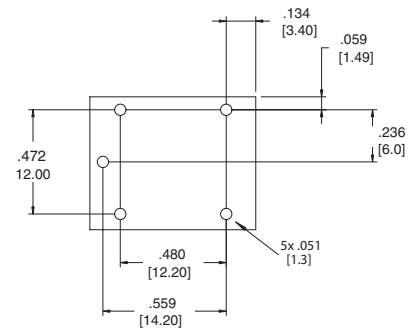


SINGLE SIDE STABLE
& 1 COIL LATCHING

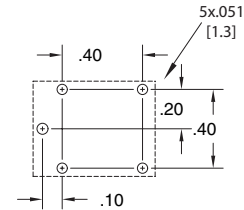


2 COIL LATCHING

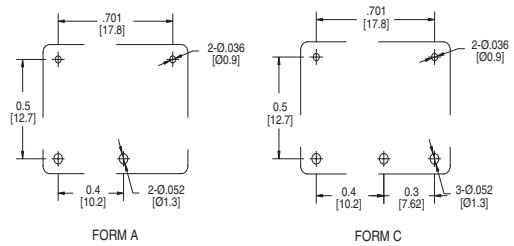
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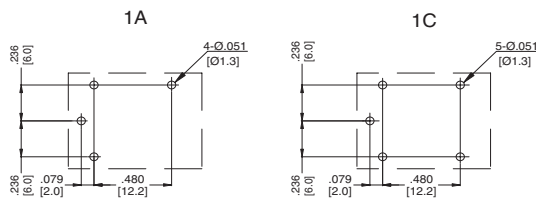
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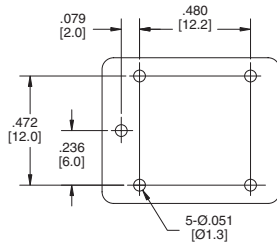
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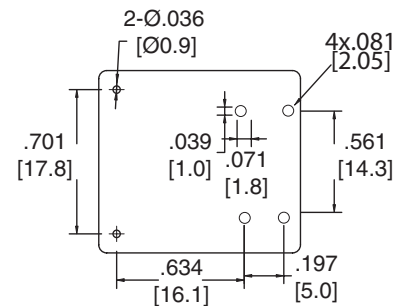
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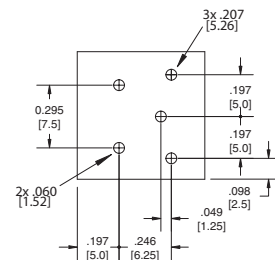
AZ9321



AZ9481F



AZ9621



Note: All undimensioned footprints are on .100 grid. All footprints are viewed toward terminals.



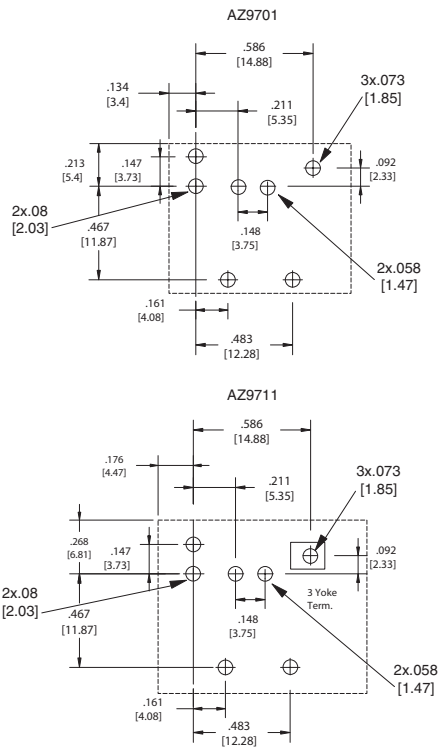
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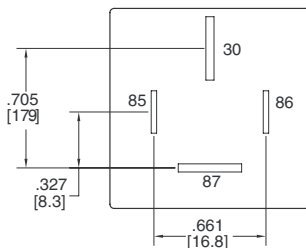
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Relay Footprints

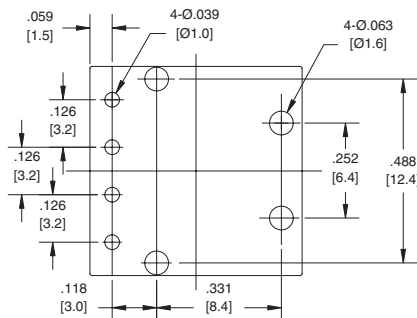
AZ9701/AZ9711



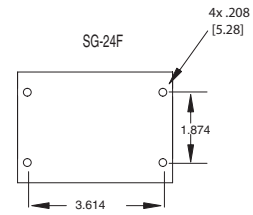
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AZ9891H

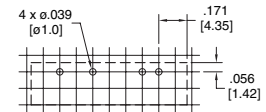


SG-24F

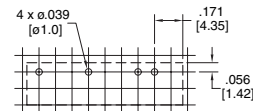


SGC-4F

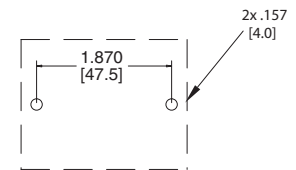
TERMINAL STYLE "T"



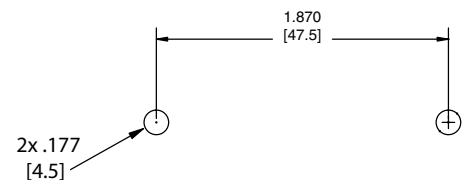
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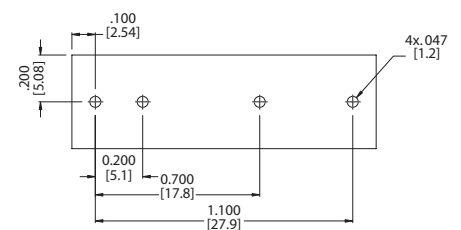
SGX-1505FB



SG-34F



SGX-41F



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Omron	Zettler
G2E	AZ5Y/AZ952/ AZ954Y
G6B	AZ881
G2L	AZ693/AZ2693
G2R	AZ692/AZ2692/ AZ697/AZ723/ AZ732/AZ2732/ AZ733/AZ743/ AZ761/AZ763/ AZ764
G2V	AZ8222
G4K	AZ8
G4S	AZ942/AZ943
G5C	AZ9481
G5L	AZ942/AZ943
G5N	AZ939
G5PA-2	AZ734
G5V-1	AZ955/AZ957
G5V-2	AZ8222
G6A	AZ830/AZ832
G6A	AZ830P/ AZ832P
G6A	AZ830 4 POLE
G6D	AZ6951
G6R	AZ696/AZ6961
G7G	AZ2100
G7L	AZ2700
G8H	AZ988
G8J	AZ974



Suggested Equivalents

Omron (cont.)	Zettler				AZ2111/ AZ2150/ AZ2151		RKA/RKS	AZ732/AZ2732/ AZ733/AZ743
	G8N	AZ989						AZ420/AZ421
	G8P	AZ2110/ AZ2111/ AZ2150/ AZ2151		ZF ZK	AZ942/AZ943 AZ420/AZ421/ AZ428/AZ429/ AZ431/AZ439		R10	
	G8W	AZ986						
	LC	AZ942/AZ943/ AZ9431		ZL	AZ420/AZ421/ AZ428/AZ429/ AZ431/AZ439		R10R	AZ2428/ AZ2429
	LY	AZ164/AZ165/ AZ166					RT	AZ743/AZ761/ AZ762
	MHS	AZ420/AZ421/ AZ428/AZ429		Song Chuan	Zettler		SSRT	SGX-1505FB
	MHQ	AZ2428/ AZ2429		792 792H 793	AZ973 AZ973 AZ697/AZ733/ AZ755		TB1 T70 T7C T7N T72	AZ989 AZ942/AZ943 AZ942/AZ943 AZ942/AZ943
	OEG	Zettler						
	OUA/OUAT	AZ951/AZ954X		801H/A	AZ943		T72J/T72K/T72M	AZ942A
	OUAZ	AZ951/AZ954X		812H	AZ943		T73	AZ8/AZ8A
	ORZ	AZ820/AZ8222		812HM	AZ943		T75	AZ696
	ORZ	AZ830/AZ832		821	AZ760		T77	AZ767
	OUdT/OUdTM	AZ8/AZ8A		822E	AZ97011/ AZ9711		T77V/T773	AZ770
	OUDE	AZ8/AZ8A					T81	AZ5X/AZ951/ AZ954X
	SRU/SRUT	AZ942/AZ943/ AZ9431		832	AZ2110/ AZ2150		T82	AZ8222
	ORW	AZ942/AZ943/ AZ9431		833H 834	AZ943 AZ766		T83 T84	AZ830/AZ832 AZ830 4-Pole
	ORA	AZ991		835	AZ767		T85	AZ8222
	OMI/OMIH	AZ692/AZ2692/ AZ697/AZ761		841 842	AZ2702 AZ954Y		T90	AZ2110/ AZ2111/ AZ2150/ AZ2151
	OMI/OMIH	AZ732/AZ2732/ AZ733/AZ743		842A 845	AZ954X AZ743/AZ761/ AZ762		T91	AZ2100/ AZ2101/ AZ2200
	OSA	AZ673/AZ734						AZ2100/ AZ2150/ AZ2270/ AZ2280
	SRET	AZ164/AZ165/ AZ166		SCLB/SCLD	AZ164/AZ165			
	SRW	AZ943		SCLA	AZ164/AZ165		T9A	AZ2100/ AZ2150/ AZ2270/ AZ2280
	OZ	AZ762		SCL/SCL-1	AZ164/AZ165			
	OZF	AZ756						
	OMIT	AZ692/AZ2692/ AZ697/AZ761		Taiko	Zettler			
	OJ/OJE	AZ767/AZ770		TB1	AZ989		T92	AZ2800/ AZ2850
	PCD	AZ948						
				Teleme- canique	Zettler		V23026 V23042 V23086 V23086 V23079 V23105 V23106	AZ956/AZ956P AZ832 AZ989 AZ987 AZ833/AZ8461 AZ8222 AZ847/AZ850
	Schrack	Zettler						
	RP	AZ692/AZ2692/ AZ697/AZ723/ AZ732/AZ2732/ AZ733/AZ743/ AZ761/AZ763/ AZ764		DR DRS T154 T163	AZ8222 AZ830/AZ832 AZ420/AZ421/ AZ428/AZ429/ AZ431/AZ439 AZ420/AZ421/ AZ428/AZ429/ AZ431/AZ439		VF4 VF7 VF28 VFM VKM VKP	AZ973/AZ974 AZ983 AZ986 AZ988 AZ975/AZ976 AZ9701/ AZ9711
	RS	AZ8222					VM	AZ984
	RS	AZ830/AZ832						
	RS	AZ830P/ AZ832P						
	RT	AZ743/AZ761/ AZ762		Texcell	Zettler			
	RY	AZ696/AZ6961/ AZ6962		CN	AZ734			
	TD	AZ2110/ AZ2111/ AZ2150/ AZ2151		Tyco (P&B)	Zettler			
	TE	AZ2100/ AZ2280		PRD K10	AZ900 AZ164/AZ165/ AZ166 AZKUP			
	TF	AZ942/AZ943		KUP	AZ9621			
	TN	AZ942/AZ943		PB	AZ692/AZ2692/ AZ697/AZ725/ AZ755/AZ761/ AZ762			
	TP	AZ8/AZ8A		RKA/RKS				
	ZD	AZ2110/						
				T75	6962			
	Schrack	Zettler (cont.)		PCD	AZ9481			



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FAX: 949-360-5839
E-Mail: sales@azdisplays.com
WEB: www.azdisplays.com

ZETTTLER MAGNETICS, INC.

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FAX: 949-360-5839
E-Mail: sales@zettlermagnetics.com
WEB: www.zettlermagnetics.com

ZETTTLER CONTROLS, INC.

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FAX: 949-360-5839
E-Mail: sales@zettlercontrols.com
WEB: www.zettlercontrols.com

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GmbH - GERMANY**

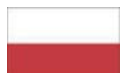
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