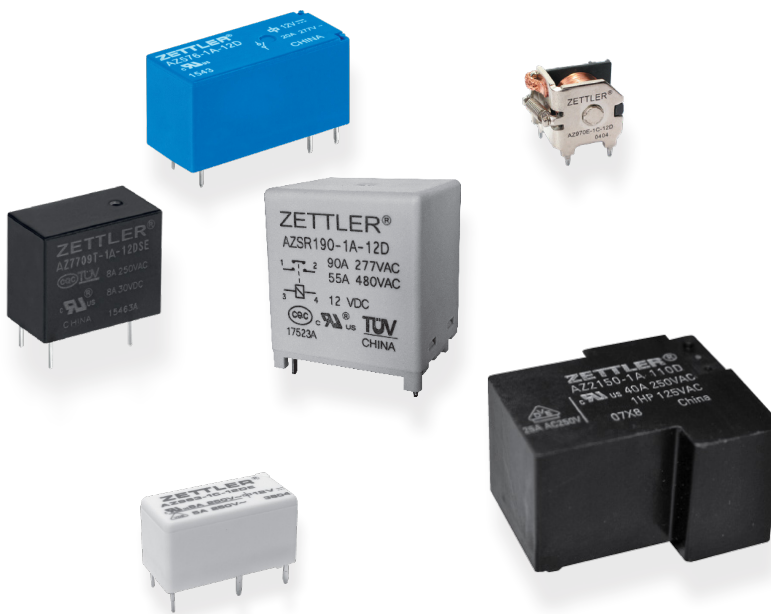


## Short Form Catalog

### Relays

#### Electromechanical Relays



worldwide. competence in components.

## Electromechanical Relays from ZETTLER

The name stands for certified quality. The products are the result of the strict international standardization and our longterm experience in developing and manufacturing of relays. No matter what application, ZETTLER relays are the sophisticated solution.

Our range of products will fully come to your expectations in terms of variety and technology. The wide product range includes Signal Relays for telecommunication, Power Relays for general purpose, Solar Relays for solar inverter applications, E-Mobility Relays for electric car charging equipment, High Power Relays for heavy loads, Automotive Relays for automotive applications as well as DC Relays for medium DC loads.

In addition to established components you will find a series of technical innovations like DC Relays in common design for medium DC loads and extremely small relays on the next pages.

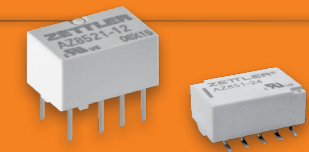
AMERICAN ZETTLER is a member of the worldwide operating ZETTLER Group. In addition to relays the group is manufacturing transformers, bimetal thermostiches and LCD displays.

Not only components are our business. We offer competence in service and technology. Our engineers will always lead you to the best choice for your application. The ZETTLER engineering departments are working global to meet international standards.

A well assorted warehouse enables a fast and – upon request – delivery on a given day.

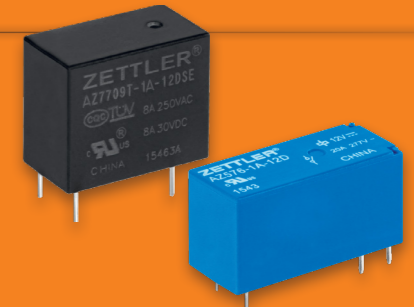
## Signal Relays

... for switching of small signals in communications, measurement and controls, automated test equipment (ATE). Signals will be connected with high precision.



## Power Relays

... for general purpose. Most of the typical applications in industry, HVAC (Heating, Ventilation, Air Condition), lighting, building control, as well as other control equipments can be solved by using these relays. The special standards for appliances (White Goods) are achieved by many of these relays. They guarantee a safety space (high insulation) between the control unit and the power load. Available with AC and DC coils.



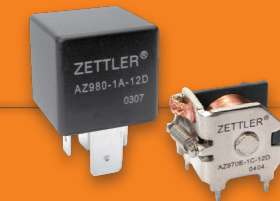
## Wide Contact Gap Power Relays

... are designed to fulfill the safety requirements of applications like PV (solar) inverters and E-Mobility charging equipment (EVSE) that must be disconnected from the grid during fault conditions.



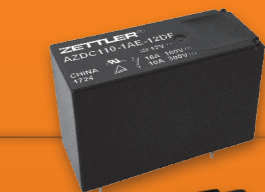
## Automotive Relays

... for automotive applications. These relays can be used for a huge variety of typical motor applications in cars like central locking, sun roof and window control, seat memory, mirror movement, as well as lights and blinkers.



## DC Relays

... miniature power relays for switching or isolating DC circuits.



## Suggested Equivalent

## Additional Information





Series	Contact Form	Umax (V)	Contact Ratings			DC coil	AC coil	DC Coil Power at Pickup (mW)	Dielectric Strength Coil / Contact (VAC)	Size L x W x H (mm)	Flux proof	Case		Page
			I <sub>max</sub> continuous (A)	P <sub>max</sub> (VA / W)	Epoxy sealed							open		
AZ8521 / AZ8521S	2C	250 AC	2	62.5 / 60	•		56 - 113	1600	10.0 x 6.5 x 5.4		•		8	
AZ8462 / AZ8462S	2C	250 AC	2	62.5 / 60	•		56 - 152	2000	15.2 x 7.7 x 9.2		•		8	
AZ850 / AZ851	2C	250 AC	2	62.5 / 30	•		56 - 169	1000	14.0 x 9.0 x 5.0		•		8	
AZ951 / AZ952	1C	220 AC	5	62.5 / 150	•		113 - 253	1000	15.75 x 10.75 x 11.81		•		9	
AZ9571	1C	125 AC	1	62.5 / 30	•		96 - 128	1000	12.5 x 7.5 x 10.0		•		9	
AZ822	2C	250 AC	2	125 / 60	•		73 - 174	1000	20.0 x 9.8 x 12.0		•		9	
AZ832	2C	250 AC	2	250 / 60	•		42 - 159	1500	20.2 x 10.0 x 10.65		•		9	
AZ921	1A	250 AC	5	1250 / 150	•		59 - 88	3000	20.3 x 5.3 x 12.8		•		10	
AZ6951	1A	250 AC	5	1250 / 150	•		100	3000	18.5 x 6.5 x 12.4		•		10	
AZ9375	1A	277AC	10	1250 / 150	•		113	4000	20.5 x 7.2 x 15.3		•		10	
AZ9405	1A / 1C	277 AC	10	1400 / 150	•		113 - 297	4000	20.0 x 10.0 x 15.2	•	•		11	
AZ888	1A / 2A / 1A + 1B	380 AC	8	2000 / 500	•		96 - 152	3000	20.2 x 11.3 x 10.5	•	•		11	
AZ6991	1A / 1C	400 AC	8	2216 / 180	•		96 - 129	4000	28.0 x 5.0 x 15.0	•	•		11	
AZ770	1A / 1C	400 AC	10	2500 / 150	•		113 - 256	5000	17.85 x 10.35 x 12.95	•	•		11	
AZ7709	1A	250 AC	10	2500 / 300	•		113 - 223	4000	18.9 x 10.7 x 15.7	•	•		12	
AZ6962	1A / 1B / 1C	440 AC	10	2500 / 300	•		108 - 141	5000	28.5 x 10.1 x 12.5	•	•		12	
AZ742	2A / 2C	400 AC	10	2500 / 240	•	•	196 - 235	5000	29.0 x 12.7 x 15.7	•	•		12	
AZ743	2A / 2C	440 AC	10	2500 / 240	•	•	196 - 235	5000	29.0 x 12.7 x 15.7	•	•		13	
AZ733 / AZ733W	2A / 2C	380 AC	12	2500 / 300	•		196 - 257	5000	29.0 x 13 x 28.3	•	•		13	
AZ9403	1A / 1C	400 AC	10	2770 / 150	•		181 - 409	4000	20.5 x 10.2 x 15.3	•	•		13	
AZ943W	1A / 1C	277 AC	10	2770 / 300	•		300 - 312	1500	19.0 x 15.3 x 16.0	•	•		13	
AZ943	1A / 1C	300 AC	15	2770 / 300	•		203 - 206	1500	19.0 x 15.3 x 15.7	•	•		14	
AZ761	1A / 1B / 1C	440 AC	12	3324 / 360	•	•	141 - 235	5000	29.3 x 13.0 x 16.0	•	•		14	
AZ9322	1A / 1B / 1C	277 AC	20	4700 / 480	•		203	1500	20.5 x 16.5 x 20.2	•	•		14	
AZ7555	1A / 1C	277 AC	20	5000 / 480	•		173 - 425	5000	29.2 x 12.8 x 20.6	•	•		15	
AZ762	1A / 1C	440 AC	16	5540 / 480	•	•	141 - 235	5000	29.0 x 12.7 x 15.7	•	•		15	
AZ576	1A / 1C	480 AC	20	5540 / 510	•		196 - 226	5000	29.3 x 12.7 x 15.3	•	•		15	
AZ576P	1A / 1B / 1C	480 AC	20	5540 / 510	•		225	5000	29.3 x 12.7 x 15.3	•	•		15	
AZ7695	1A	250 AC	25	6250 / 750	•		120 - 441	5000	30.1 x 15.7 x 23.3	•	•		16	
AZ2704	1A / 2A	400 AC	30	8310 / 840	•	•	1080 - 1700	4000	50.5 x 33.5 x 36.0				16	
AZ2100	1A / 1B / 1C	277 AC	40	10000 / 600	•		470 - 500	2500	32.23 x 27.4 x 27.9	•	•		16	
AZ2150	1A / 1B / 1C	300 AC	40	10000 / 900	•		470 - 523	2500	26.9 x 31.8 x 19.1	•	•		17	
AZ2280	1A / 1B / 1C	277 AC	40	11080 / 840	•	•	470 - 500	1500	50.2 x 27.5 x 27.8	•	•		17	
AZ2800 / AZ2850	2A / 2C	600 AC	40	11080 / 1200	•	•	470 - 925	4000	59.7 x 34.5 x 26.4	•	•		17	
XMC0 Contactor	1A / 1C / 2A / 3A / 4A	600 AC	90	See datasheet		•	2800 - 9600	2500	See datasheet				17	

Signal Relays

Power Relays



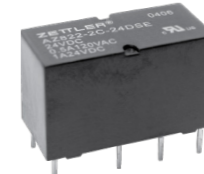
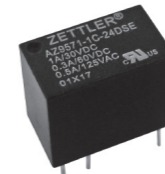
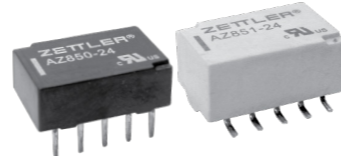
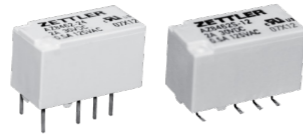
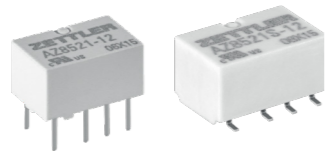
Wide Contact Gap Power Relays

Series	Contact Form	Umax (V)	Contact Ratings		DC coil	AC coil	DC Coil Power at Pickup (mW)	Dielectric Strength Coil / Contact (VAC)	Size L x W x H (mm)	Contact Gap (mm)	Page
			I <sub>max</sub> continuous (A)	P <sub>max</sub> (VA)							
AZ733W	2A / 2C	380 AC	12	2500	•		196 - 257	5000	29.0 x 13.0 x 28.3	1.5 or 2.0	13
AZEV116	1A + 1B	440 AC	16	6400	•		870	4000	35.0 x 16.0 x 27.9	2.25	18
AZ2704	1A / 2A	400 AC	30	8310	•	•	1080 - 1700	4000	50.5 x 33.5 x 36.0	2.4 or 3.0	16
AZ2150W	1A	440 AC	30	8310	•		623 - 625	4000	26.9 x 31.8 x 19.1	1.75	18
AZEV132	1A + 1B	440 AC	32	8864	•		870	4000	35.0 x 16.0 x 27.9	2.25	18
AZSR131	1A	277 AC	35	9695	•		681 - 792	4500	30.4 x 15.9 x 25.15	1.8 or 2.3	18
AZSR235	1A / 2A	440 AC	35	9695	•		268 - 281	5000	40.0 x 25.0 x 49.2	2.05	19
AZSR143	1A	277 AC	50	11911	•		900	4500	30.4 x 15.9 x 25.15	1.8 or 2.3	19
AZSR250	1A / 2A	440 AC	50	13850	•		268 - 281	5000	40.0 x 25.0 x 49.2	1.85	19
AZSR180	1A	440AC	80	30400	•		100 - 270	5000	40.0 x 25.0 x 49.2	2.05	20
AZSR165	1A	690 AC	80	55200	•		1227 - 1246	4000	38.0 x 33.0 x 41.5	3.6	19
AZSR190	1A	800 AC	100	69000	•		1077 - 1080	5000	38.0 x 33.0 x 43.0	3.6	20
AZSR1200	1A	920 AC	200	110400	•		1662 - 1687	4000	63.3 x 62.0 x 41.7	3.6	20

DC Relays

Series	Contact Form	Umax (V)	Contact Ratings		DC coil	AC coil	DC Coil Power at Pickup (mW)	Dielectric Strength Coil / Contact (VAC)	Size L x W x H (mm)	Flux proof	Case		Page
			I <sub>max</sub> continuous (A)	P <sub>max</sub> (W)							Epoxy sealed	open	
AZDC110	1A	420 DC	16	3000	•		224 - 225	5000	29.3 x 12.7 x 19.0	•			23
AZDC6	1A / 2A	600 DC	12.5	7500			781 - 790	4000	33.9 x 30.6 x 16.0				23
AZDC105	1A	60 DC	150	9000	•		1800	4000	47.6 x 40.0 x 45.1	•			23
AZ947	1A / 1C / 1U	42 DC	20	280	•		216 - 222	500	15.7 x 12.3 x 14.0	•	•		21
AZ9871	1A / 1C / 2A / 2C	24DC	30	420	•		187 - 609	500	12.9x12.0x9.9 / 23.8x12.9x9.9	•	•		21
AZ983	1A / 1B / 1C	28 DC	80	1120	•		761	500	29.0 x 29.0 x 26.0	• <sup>(1)</sup>	•		21
AZ970E / AZ971E	1A / 1C	150 DC	40	560	•		514 - 573	500 DC	18.8 x 23.0 x 18.0	•	•	•	21
AZ9731	1A / 1C / 1U	28 DC	40	560	•	•	676	750	26.5 x 26.5 x 24.5	• <sup>(1)</sup>	•		22
AZ979 / AZ980	1A / 1B / 1C	28 DC	80	1120	•	•	676 - 761	500	29.0 x 29.0 x 26.5	• <sup>(1)</sup>	•		22
AZ9891J	1C / 2C	16DC	25	480	•		187 - 609	500	12.9x12.0x9.9 / 23.8x12.9x9.9	•	•		22
AZ977	1A / 1C	150 DC	20	280	•	•	405 - 540	1000 DC	23.0 x 15.5 x 26.0	• <sup>(1)</sup>	•		23

(1) Dust cover



Relay Type	AZ8521 / 8521S THT SMT		AZ8462 / AZ8462S THT SMT		AZ850 / AZ851 THT SMT		AZ951 / AZ952			AZ9571		AZ822		AZ832		
Features	<ul style="list-style-type: none"> <li>Contact rating: 2 x 60 W / 2 x 62.5 VA</li> <li>Microminiature size</li> <li>Coil power at pickup 56 - 113 mW</li> <li>Bifurcated cossbar contacts</li> <li>Polarized coil</li> <li>Epoxy sealed</li> </ul>		<ul style="list-style-type: none"> <li>Contact rating: 2 x 60 W / 2 x 62.5 VA</li> <li>Microminiature size</li> <li>Coil power at pickup 56 - 152 mW</li> <li>Bifurcated cossbar contacts</li> <li>Polarized coil</li> <li>High temperature 105°C</li> <li>Epoxy sealed</li> </ul>		<ul style="list-style-type: none"> <li>Contact rating: 2 x 30 W / 2 x 62.5 VA</li> <li>Microminiature size</li> <li>Coil power at pickup 56 - 169 mW</li> <li>Bifurcated cossbar contacts</li> <li>Polarized coil</li> <li>Epoxy sealed</li> </ul>		<ul style="list-style-type: none"> <li>Contact rating: 150 W / 625 VA</li> <li>Small size</li> <li>Coil power at pickup 113 - 253 mW</li> <li>Non polarized coil</li> <li>Epoxy sealed</li> </ul>			<ul style="list-style-type: none"> <li>Contact rating: 30 W / 62.5 VA</li> <li>Microminiature size</li> <li>Coil power at pickup 96 - 128 mW</li> <li>Non polarized coil</li> <li>Epoxy sealed</li> </ul>		<ul style="list-style-type: none"> <li>Contact rating: 2 x 60 W / 2 x 125 VA</li> <li>Coil power at pickup 73 - 174 mW</li> <li>Bifurcated cossbar contacts</li> <li>Non polarized coil</li> <li>Epoxy sealed</li> </ul>		<ul style="list-style-type: none"> <li>Contact rating: 2 x 60 W / 2 x 250 VA</li> <li>Max. switching 3 A</li> <li>Coil power at pickup 42 - 159 mW</li> <li>Bifurcated cossbar contacts</li> <li>Polarized coil</li> <li>Epoxy sealed</li> </ul>		
Size L x W x H	10.0 x 6.5 x 5.4 (SMT: 5.65) mm		15.2 x 7.7 x 9.2 (SMT: 9.7) mm		14.0 x 9.0 x 5.0 (SMT: 6.2) mm		15.75 x 10.75 x 11.81 mm			12.5 x 7.5 x 10.0 mm		20.0 x 9.8 x 12.0 mm		20.2 x 10.0 x 10.65 mm		
Other Versions	Latching version AZ8521P SMT version		Latching version AZ8462P SMT version		Latching version AZ850P SMT version (60W switching)		Sensitive coil version 2 pin configurations			Sensitive coil version		-		Sensitive coil version Latching version AZ832P		
Contact Forms A = N.O. B = N.C. C = C.O.	2C		2C		2C		1C			1C		2C		2C		
Contact Material	AgNi+Au		AgNi+Au		AgPd+Au		AgNi+Au or Ag+Au			AgNi+Au		AgPd+Au		Ag+Au against PdAg		
Contact Ratings (at resistive load)	max. 2 A max. 250 VAC max. 220 VDC max. 62.5 VA max. 60 W		max. 2 A max. 250 VAC max. 220 VDC max. 62.5 VA max. 60 W		1 A switching / 2 A continuous 250 VAC 220 VDC 62.5 VA 30 W		5 A 220 VAC 60 VDC 62.5 VA 150 W			1 A 125 VAC 60 VDC 62.5 VA 30 W		2 A 250 VAC 220 VDC 125 VA 60 W		3 A switching / 2 A continuous 250 VAC 220 VDC 250 VA 60 W		
Electrical Life Expectancy (at rated load)	1 x 10 <sup>5</sup>		5 x 10 <sup>5</sup>		2 x 10 <sup>5</sup>		1 x 10 <sup>5</sup>			1 x 10 <sup>5</sup>		5 x 10 <sup>5</sup>		1 x 10 <sup>5</sup>		
Mechanical Life Expectancy	1 x 10 <sup>8</sup>		1 x 10 <sup>8</sup>		1 x 10 <sup>8</sup>		1 x 10 <sup>7</sup>			5 x 10 <sup>6</sup>		1 x 10 <sup>8</sup>		2 x 10 <sup>7</sup>		
Standard Types (nominal coil voltage coil resistance)	VDC	Ω	VDC	Ω	VDC	Ω	VDC	Ω std./sens.	VDC	Ω std./sens.	VDC	Ω std./sens.	VDC	Ω std./sens.	VDC	Ω std./sens.
	3	64,3	3	64,3	3	64	3	20/45	3	45/60	3	45/60	3	45/-	3	45/-
	4.5	145	4.5	145	5	178	5	56/120	5	125/167	5	125/167	5	125/167	5	125/167
	5	178	5	178	6	257	6	80/180	6	180/240	6	180/240	6	180/240	6	180/240
	6	257	6	257	12	1028	9	-/400	9	405/540	9	405/540	9	405/540	9	405/540
	9	579	9	579	24	2880	12	320/700	12	720/960	12	720/960	12	720/960	12	720/960
	12	1080	12	1080			18	-/1575	24	2880/3840	18	-/1620	18	-/1620	24	2880/3840
	24	2880	24	4114			24	1280/2800			24	-/2880	24	-/2880	48	11520/-
			48	8533							48	11520/7680				
Pickup / Dropout (% of V <sub>nom</sub> )	≤ 75% / ≥ 10%		≤ 75% / ≥ 10%		≤ 75% / ≥ 10%		≤ 75% / ≥ 10%			≤ 80% / ≥ 10%		≤ 70% / ≥ 5%		std.: ≤ 80% / ≥ 10% sens.: ≤ 75% / ≥ 10%		
Ambient Temperature	-40°C to +85°C		-40°C to +105°C		THT: -40°C to +70°C SMT: -40°C to +85°C		std.: -25°C to +55°C sens.: -25°C to			+30°C to +70°C		-55°C to +90°C		-40°C to +85°C		
Dielectric Strength (coil to contacts)	1600 VAC		2000 VAC		1000 VAC		1000 VAC			1000 VAC		1000 VAC		1500 VAC		
Termination	PCB		PCB		PCB		PCB			PCB		PCB		PCB		
Operate / Release Time (typ. at V <sub>nom</sub> )	3 / 3 ms		4 / 4 ms		2 / 1 ms		5 / 1 ms			5 / 5 ms		5 / 2 ms		3 / 2 ms		
Approvals	UL, CUR		UL, CUR		UL, CUR		UL, CUR			UL, CUR		UL, CUR		UL, CUR		
Accessories	-		-		-		-			-		-		-		



Send email with a link to the Data Sheet (or click to open)



Relay Type	AZ921	AZ6951	AZ9375
Features	<ul style="list-style-type: none"> <li>Contact rating: 5 A / 250 VAC</li> <li>Extremely slim size: 5 mm</li> <li>Coil power at pickup 59 - 88 mW</li> <li>Clearance / creepage <math>\geq 3</math> mm</li> <li>Dielectric strength 3000 VAC</li> <li>Epoxy sealed version</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 5 A / 250 VAC</li> <li>Extremely slim size: 6.5 mm</li> <li>Coil power at pickup 100 mW</li> <li>Dielectric strength 3000 VAC</li> <li>Epoxy sealed version</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 10 A / 277 VAC</li> <li>Extremely slim size: 7 mm</li> <li>Coil power at pickup 113 mW</li> <li>Clearance / creepage <math>\geq 5.5</math> mm</li> <li>Dielectric strength 4000 VAC</li> </ul>
Size L x W x H	20.3 x 5.3 x 12.8 mm	18.5 x 6.5 x 12.4 mm	20.5 x 7.2 x 15.3 mm
Other Versions	2 pin configurations Horizontal version available	-	Epoxy sealed version 2 pin configurations
Contact Forms A = N.O. B = N.C. C = C.O.	1A	1A	1A
Contact Material	AgNi, AgNi+Au or AgSnO <sub>2</sub>	AgSnO <sub>2</sub> or AgSnO <sub>2</sub> +Au	AgNi, AgNi+Au, AgSnO <sub>2</sub> , AgSnO <sub>2</sub> +Au
Contact Ratings (at resistive load)	max. 5 A max. 250 VAC max. 150 VDC max. 1250 VA max. 150 W	max. 5 A max. 250 VAC max. 30 VDC max. 1250 VA max. 150 W	max. 10 A max. 277 VAC max. 30 VDC max. 1250 VA max. 150 W
Electrical Life Expectancy (at rated load)	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>
Mechanical Life Expectancy	2 x 10 <sup>7</sup>	2 x 10 <sup>7</sup>	5 x 10 <sup>7</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      Ω 5          208 6          300 9          675 12        1200 18        2700 24        3200	VDC      Ω 5          125 12        720 24        2880	VDC      Ω 3          45 5          125 6          180 9          405 12        720 18        1620 24        2880
Pickup / Dropout (% of V <sub>nom</sub> )	≤ 70% / ≥ 10%	≤ 70% / ≥ 10%	≤ 75% / ≥ 5%
Ambient Temperature	-40°C to +85°C	-25°C to +70°C	-40°C to 90°C
Dielectric Strength (coil to contacts)	3000 VAC	3000 VAC	4000 VAC
Termination	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	6 / 3 ms	6 / 3 ms	10 / 4 ms
Approvals	TÜV, UL, CUR	UL, CUR	TUV, UL, CUR
Accessories	-	-	-



Relay Type	AZ9405	AZ888	AZ6991	AZ770
Features	<ul style="list-style-type: none"> <li>Contact rating: 5 A / 277 VAC</li> <li>Small size</li> <li>Coil power at pickup 113 - 297 mW</li> <li>Clearance / creepage 1A: <math>\geq 4 / 6</math> mm</li> <li>Clearance / creepage 1C: <math>\geq 3 / 5</math> mm</li> <li>Dielectric strength 4000 VAC</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 8 A / 380 VAC</li> <li>Coil power at pickup 96 - 192 mW</li> <li>Bifurcated crossbar contacts</li> <li>Polarized coil, Latching</li> <li>Epoxy sealed</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 8 A / 277 VAC</li> <li>Extremely slim size: 5 mm</li> <li>Coil power at pickup 96 - 129 mW</li> <li>Clearance / creepage <math>\geq 6 / 8</math> mm</li> <li>Dielectric strength 4000 VAC</li> <li>Reinforced insulation VDE 0631 / 0700</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 5 A / 250 VAC</li> <li>Low profile: 12.95 mm</li> <li>Coil power at pickup 113 - 256 mW</li> <li>Clearance / creepage <math>\geq 8</math> mm</li> <li>Dielectric strength 5000 VAC</li> <li>Reinforced insulation VDE 0631 / 0700</li> <li>Epoxy sealed version</li> <li>EN 60335-1 (GWT) version available</li> </ul>
Size L x W x H	20.0 x 10.0 x 15.2 mm	20.2 x 11.3 x 10.5 mm	28.0 x 5.0 x 15.0 mm	17.85 x 10.35 x 12.95 mm
Other Versions	Epoxy sealed version	Epoxy sealed version	Epoxy sealed version Horizontal version available	10A version AZ770T Sensitive coil version, 2 pin configurations
Contact Forms A = N.O. B = N.C. C = C.O.	1A / 1C	1A, 2A, 1A+1B	1A / 1C	1A / 1C
Contact Material	AgSnO <sub>2</sub>	AgSnO <sub>2</sub> , AgSnO <sub>2</sub> +Au	AgNi, AgNi+Au or AgSnO <sub>2</sub>	AgNi, AgNi+Au or AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	max. 10 A max. 277 VAC max. 30 VDC max. 1400 VA max. 150 W	max. 8 A max. 380 VAC max. 240 VDC max. 2000 VA max. 500 W	max. 8 A max. 400 VAC max. 125 VDC max. 2216 VA max. 180 W	max. 10 A max. 400 VAC max. 30 VDC max. 2500 VA max. 150 W
Electrical Life Expectancy (at rated load)	1 x 10 <sup>5</sup>	1 x 10 <sup>6</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>
Mechanical Life Expectancy	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>6</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      Ω std./sens. 3          22,5/45 5          63/125 6          90/180 9          202,5/400 12        360/720 18        810/1620 24        1440/2800 48        5760/-	VDC      Ω 3          30/60 5          83/167 6          120/240 9          270/540 12        480/960 18        1080/2160 24        1920/3840	VDC      Ω 5          147 12        848 24        3390 48        10600 60        16600	VDC      Ω std./sens. 3          20/45 5          55/25 6          80/180 9          180/400 12        320/720 18        720/1600 24        1280/2800 48        5120/-
Pickup / Dropout (% of V <sub>nom</sub> )	std.: ≤ 70% / ≥ 10%    sens.: ≤ 75% / ≥ 10%	std.: ≤ 75% / ≥ 10%	≤ 75% / ≥ 5%	≤ 75% / ≥ 5%
Ambient Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Dielectric Strength (coil to contacts)	4000 VAC	3000 VAC	4000 VAC	5000 VAC
Termination	PCB	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	std.: 10 / 5 ms    sens.: 15 / 5 ms	5 / 3 ms	5 / 3 ms	8 / 4 ms
Approvals	TÜV, UL, CUR	UL, CUR	VDE, UL, CUR	VDE, UL, CUR
Accessories	-	-	-	-



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Relay Type	AZ7709	AZ6962	AZ742
Features	<ul style="list-style-type: none"> <li>Contact rating: 5 A / 250 VAC</li> <li>Coil power at pickup 113 - 223 mW</li> <li>Dielectric strength 4000 VAC</li> <li>10 A AZ 7709T</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 10 A / 250 VAC</li> <li>Low profile: 12.5 mm</li> <li>Coil power at pickup 108 - 141 mW</li> <li>Clearance / creepage <math>\geq</math> 10 mm</li> <li>Dielectric strength 5000 VAC</li> <li>Reinforced insulation VDE 0631 / 0700</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 2 x 10 A / 250 VAC</li> <li>Low profile: 15.7 mm</li> <li>Coil power at pickup 196 - 235 mW</li> <li>Clearance / creepage <math>\geq</math> 10 mm</li> <li>Dielectric strength 5000 VAC</li> <li>Reinforced insulation VDE 0631 / 0700</li> <li>AC and DC coils</li> </ul>
Size L x W x H	18.9 x 10.7 x 15.7 mm	28.5 x 10.1 x 12.5 mm	29.0 x 12.7 x 15.7 mm
Other Versions	Epoxy sealed version Sensitive coil version	Epoxy sealed version	Epoxy sealed version
Contact Forms A = N.O. B = N.C. C = C.O.	1A	1A / 1B / 1C	2A / 2C
Contact Material	AgCdO, AgSnO <sub>2</sub> , AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> or	AgNi, AgNi+Au or AgSnO <sub>2</sub>	AgNi, AgNi+Au or AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	max. max. max. max.	max. max. max. max.	max. max. max. max.
Electrical Life Expectancy (at rated load)	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>
Mechanical Life Expectancy	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	3 x 10 <sup>7</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      Ω std./sens. 3          20/45 5          55/125 6          80/180 9          180/400 12        320/720 18        720/1600 24        1280/2800 48        5120/-	VDC      Ω 5          113 6          164 9          360 12        620 18        1295 24        2350 48        8000 60        12500	VDC      Ω      VAC      Ω/mA 5          60      12      100/63,0 6          90      24      400/31,3 9          200     48 12        360     60 24        1440    110 48        5700    120 60        7500    230 110      25200   240
Pickup / Dropout (% of V <sub>nom</sub> )	std.: $\leq$ 70% / $\geq$ 5%    sens.: $\leq$ 75% / $\geq$ 5%	$\leq$ 70% / $\geq$ 10%	DC: $\leq$ 70% / $\geq$ 10%    AC: $\leq$ 75% / $\geq$ 15%
Ambient Temperature	-40°C to +85°C	-40°C to +85°C	DC: -40°C to +85°C    AC: -40°C to +70°C
Dielectric Strength (coil to contacts)	4000 VAC	5000 VAC	5000 VAC
Termination	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	8 / 4 ms	7 / 3 ms	DC: 7 / 3 ms    AC: 8 / 7 ms
Approvals	TÜV, UL, CUR	VDE, UL, CUR	VDE, UL, CUR
Accessories	-	-	-



Relay Type	AZ743	AZ733 / AZ733W	AZ9403	AZ943W
Features	<ul style="list-style-type: none"> <li>Contact rating: 2 x 10 A / 250 VAC</li> <li>Low profile: 15.7 mm</li> <li>Coil power at pickup 196 - 235 mW</li> <li>Clearance / creepage <math>\geq</math> 10 mm</li> <li>Dielectric strength 5000 VAC</li> <li>Reinforced insulation VDE 0631 / 0700</li> <li>AC and DC coils</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 12 A / 380 VAC</li> <li>Coil power at pickup 196 - 257 mW</li> <li>Isolation spacing greater than 8mm</li> <li>Dielectric strength 5000 VAC</li> <li>Class F (155°C) insulation system available</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 10 A / 125VAC</li> <li>5 A / 277 VAC</li> <li>Small size</li> <li>Coil power at pickup 181 - 409 mW</li> <li>Dielectric strength 4000 VAC</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 10 A / 277 VAC</li> <li>Small size</li> <li>Coil power at pickup 300 - 312 mW</li> <li>Dielectric strength 1500 VAC</li> <li>Wide contact gap <math>\geq</math> 0.8 mm</li> </ul>
Size L x W x H	29.0 x 12.7 x 15.7 mm	29.0 x 13 x 28.3 mm	20.5 x 10.2 x 15.3 mm	19.0 x 15.3 x 16.0 mm
Other Versions	Epoxy sealed version	Epoxy sealed version	Epoxy sealed version	Epoxy sealed version
Contact Forms A = N.O. B = N.C. C = C.O.	2A / 2C	2A / 2C	1A / 1C	1A / 1C
Contact Material	AgCdO, AgNi, AgNi+Au or AgSnO <sub>2</sub>	AgCdO, AgNi, or AgSnO <sub>2</sub> +Au plated options	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	max. max. max. max.	max. max. max. max.	max. max. max. max.	max. max. max. max.
Electrical Life Expectancy (at rated load)	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	2 x 10 <sup>4</sup>
Mechanical Life Expectancy	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>6</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      Ω      VAC      Ω/mA 5          60      24      350/31,6 6          90      115     8100/6,6 9          200     230     32500/3,2 12        360 24        1440 48        5700 60        7500 110      25200	VDC      Ω 3          17 5          47 9          97 12        155 18        380 24        660 48        2560 110      13450	VDC      Ω/sens62 3          20/45 5          55/125 6          80/180 9          180/400 12        320/720 24        1280/2800 48        5120/-	VDC      Ω 6          65 12        270 18        600 24        1070
Pickup / Dropout (% of V <sub>nom</sub> )	DC: $\leq$ 70% / $\geq$ 10%    AC: $\leq$ 75% / $\geq$ 15%	$\leq$ 75% / $\geq$ 10%	$\leq$ 75% / $\geq$ 5%	$\leq$ 75% / $\geq$ 10%
Ambient Temperature	DC: -40°C to +85°C    AC: -40°C to +70°C	-40°C to +85°C	std.: -40°C to +70°    sens.: -40°C to +85°C	-40°C to +70°C
Dielectric Strength (coil to contacts)	5000 VAC	5000 VAC	4000 VAC	1500 VAC
Termination	PCB	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	DC: 7 / 4 ms    AC: 10 / 4 ms	8 / 5 ms	8 / 5 ms	10 / 5 ms
Approvals	VDE, UL, CUR	TÜV, UL, CUR	VDE, UL, CUR	UL, CUR
Accessories	-	-	-	-



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Relay Type	AZ943	AZ761	AZ9322
Features	<ul style="list-style-type: none"> <li>Contact rating: 10 A / 277 VAC</li> <li>Small size</li> <li>Coil power at pickup 203 - 206 mW</li> <li>Dielectric strength 1500 VAC</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 12 A / 250 VAC</li> <li>Low profile: 16.0 mm</li> <li>Coil power at pickup 141 - 235 mW</li> <li>Clearance / creepage <math>\geq</math> 10 mm</li> <li>Dielectric strength 5000 VAC</li> <li>Reinforced insulation VDE 0631 / 0700</li> <li>AC and DC coils</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 15 A / 277VAC</li> <li>Small size</li> <li>Coil power at pickup 203 mW</li> <li>Class F insulation (155°C) system available</li> </ul>
Size L x W x H	19.0 x 15.3 x 15.7 mm	29.3 x 13.0 x 16.0 mm	20.5 x 16.5 x 20.2 mm
Other Versions	Epoxy sealed version	Epoxy sealed version Sensitive coil version	Epoxy sealed version
Contact Forms A = N.O. B = N.C. C = C.O.	1A / 1C	1A / 1B / 1C	1A / 1B / 1C
Contact Material	AgSnO <sub>2</sub>	AgCdO, AgNi, AgNi+Au or AgSnO <sub>2</sub>	AgSnO <sub>2</sub> , AgSnO+Au
Contact Ratings (at resistive load)	max. 15 A max. 300 VAC max. 30 VDC max. 2770 VA max. 300 W	12 A 440 VAC 125 VDC 3324 VA 360 W	15 A (AC), 8A (DC) 277 VAC 30 VDC 1800 VA 210 W
Electrical Life Expectancy (at rated load)	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>
Mechanical Life Expectancy	1 x 10 <sup>6</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      Ω 5      70 6      100 9      225 12      400 18      900 24      1600 36      3600 48      6400	VDC      Ω std./sens. 5      62/100 6      90/144 9      200/576 12      360/1296 24      1440/2304 48      5760/9216 60      7500/12867 110      25200/-	VDC      Ω 3      25 5      70 6      100 9      225 12      400 18      900 24      1600 48      4500
Pickup / Dropout (% of V <sub>nom</sub> )	≤ 75% / ≥ 10%	std.: ≤ 70% / ≥ 10% sens.: ≤ 75% / ≥ 10%	≤ 75% / ≥ 10%
Ambient Temperature	-40°C to +85°C	std.: -40°C to +85°C sens.: -40°C to	-40°C to +105°C
Dielectric Strength (coil to contacts)	1500 VAC	5000 VAC	5000 VAC
Termination	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	10 / 5 ms	7 / 3 ms	8 / 3 ms
Approvals	VDE, TÜV, UL, CUR	UL, CUR	PENDING
Accessories	-	-	-



Relay Type	AZ7555	AZ762	AZ576	AZ576P
Features	<ul style="list-style-type: none"> <li>Contact rating: 20 A / 380 VAC</li> <li>Coil power at pickup 173 - 425 mW</li> <li>Dielectric strength 5000 VAC</li> <li>Class F (155°C) insulation system available</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 16 A / 250 VAC</li> <li>Low profile: 15.7 mm</li> <li>Coil power at pickup 141 - 235 mW</li> <li>Clearance / creepage <math>\geq</math> 10 mm</li> <li>Dielectric strength 5000 VAC</li> <li>Reinforced insulation VDE 0631 / 0700</li> <li>AC and DC coils</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 20 A / 277 VAC</li> <li>Low profile: 15.3 mm</li> <li>Coil power at pickup 196 - 226 mW</li> <li>Dielectric strength 5000 VAC</li> <li>High temperature 105°C</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 20 A / 480 VAC</li> <li>Low profile: 15.3 mm</li> <li>Coil power at pickup 225 mW</li> <li>Dielectric strength 5000 VAC</li> <li>High temperature 155°C</li> </ul>
Size L x W x H	29.2 x 12.8 x 20.6 mm	29.0 x 12.7 x 15.7 mm	29.3 x 12.7 x 15.3 mm	29.3 x 12.7 x 15.3 mm
Other Versions	Epoxy sealed version	Epoxy sealed version High inrush version 80 A (1 Form A only)	Epoxy sealed version	Epoxy sealed version
Contact Forms A = N.O. B = N.C. C = C.O.	1A / 1C	1A / 1C	1A / 1C	1A / 1B / 1C
Contact Material	AgCdO, AgNi, or AgSnO <sub>2</sub> + Au plated options	AgCdO, AgNi, AgNi+Au or AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	20 A 227 VAC 30 VDC 5000 VA 480 W	16 A 440 VAC 125 VDC 5540 VA 480 W	20 A 480 VAC 30 VDC 5540 VAC 510 W	20 A 480 VAC 30 VDC 5540 VA 510 W
Electrical Life Expectancy (at rated load)	7 x 10 <sup>4</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>6</sup>
Mechanical Life Expectancy	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      ΩStd./Sen/Super 3      Sen. 5      13/17/- 9      36/48.5/208 12      115/155/675 18      200/270/1200 24      450/600/2700 48      820/1100/4800 110      3300/4400/19200	VDC      Ω      VAC      Ω/mA 5      62      24      350/31,6 6      90      115      8100/6,6 9      200      230 12      360 24      1440 48      5760 60      7500 110      25200	VDC      Ω 5      62,5 6      90 9      202,5 12      360 24      1440 48      5760 60      9000 110      30250	VDC      Ω 5      62,5 6      90 9      202,5 12      360 24      1440 48      5760
Pickup / Dropout (% of V <sub>nom</sub> )	≤ 75% / ≥ 10%	≤ 70% / ≥ 10%	≤ 75% / ≥ 10%	≤ 75% / ≥ 10%
Ambient Temperature	-40°C to +85°C	DC: -40°C to +85°C AC: -40°C to +70°C	-40°C to +105°C	-40°C to +105°C
Dielectric Strength (coil to contacts)	5000 VAC	5000 VAC	5000 VAC	5000 VAC
Termination	PCB	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	DC: 7 / 3 ms AC: 8 / 7 ms	15 / 8 ms	8 / 4 ms	10 / 10 ms
Approvals	UL, CUR	VDE, UL, CUR	TÜV, UL, CUR	UL, CUR
Accessories	-	-	-	-



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Relay Type	AZ7695	AZ2704	AZ2100	AZ2150	AZ2280	AZ2800/AZ2850	XMC0
Features	<ul style="list-style-type: none"> <li>Contact rating: 25 A / 250 VAC</li> <li>Coil power at holding 120 - 441 mW</li> <li>Class F (155°C) insulation available</li> <li>80 Amp inrush current</li> <li>Short Circuit Rating 5000 A rms, 250 VA</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 30 A / 400VAC or 150VDC</li> <li>900 Amp short circuit current (carrying)</li> <li>Coil power at pickup 1.8W</li> <li>Standard 2.4mm contact gap</li> <li>Wide 3.0mm contact gap available</li> <li>Class F insulation available</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 40 A / 277 VAC</li> <li>Coil power at holding 470 - 500 mW</li> <li>Dielectric strength 2500 VAC</li> <li>Class F (155°C) version available</li> <li>Proof Tracking Index (PTI/CTI) 175</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 30 A / 240 VAC</li> <li>Coil power at holding 470 - 523 mW</li> <li>Dielectric strength 2500 VAC</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 40 A / 277 VAC</li> <li>Coil power at holding 470 - 500 mW</li> <li>Class F (155°C) version available</li> <li>AC and DC coils available</li> <li>Quick-connect leads for contacts /coil</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 40 A / 600 VAC</li> <li>Coil power at holding 470 - 925 mW</li> <li>Dielectric strength 4000 VAC</li> <li>Class F (155°C)</li> <li>AC and DC coils available</li> <li>AZ2800 Quick-connect</li> <li>AZ2850 PCB terminals</li> </ul>	<ul style="list-style-type: none"> <li>Contact ratings up to: 90FL A / 600 VAC</li> <li>SCCR 100kA, 600VAC</li> <li>Auxiliary contacts and micro switches</li> <li>Heavy-duty contacts</li> <li>Dust-free internal construction</li> <li>DIN rail and PCB socket accessories</li> </ul>
Size L x W x H	30.1 x 15.7 x 23.3 mm	50.5 x 33.5 x 36.0 mm	32.23 x 27.4 x 27.9 mm	31.8 x 26.9 x 19.1 mm	50.2 x 27.5 x 27.8 mm	59.7 x 34.5 x 26.4 mm	Standard, See Datasheet
Other Versions	-	-	Epoxy sealed version	Epoxy sealed version	Epoxy sealed IP67 approved versions	Epoxy sealed version	-
Contact Forms A = N.O. B = N.C. C = C.O.	1A	1X / 2X	1A / 1B / 1C	1A / 1B / 1C	1A / 1B / 1C	2A / 2C	1P, 2P, 3P, 4P, and 1P w/Shunt
Contact Material	AgSnO <sub>2</sub>	AgSnO <sub>2</sub> , AgSnO+Au	AgCdO, AgSnO <sub>2</sub>	AgCdO, AgSnO <sub>2</sub>	AgCdO, AgSnO <sub>2</sub>	AgCdO <sub>2</sub> , AgSnO <sub>2</sub>	AgCdO, AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	max. 25 A max. 250 VAC max. 30 VDC max. 6250 VA max. 750 W	30 A 400 VAC 150 VDC 8310 VA 840 W	40 A 227 VAC 30 VDC 10000 VA 900 W	40 A (N.O.), 30 A (N.C.) 300 VAC 30 VDC 10000 VA 900 W	40 A 227 VAC 28 VDC 11080 VA 840 W	40 A 600 VAC 30 VDC 1180 VA 1200 W	12 A 400 VAC 300 VDC 3000 VA 360 W
Electrical Life Expectancy (at rated load)	1 x 10 <sup>6</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	2.5 x 10 <sup>5</sup>
Mechanical Life Expectancy	1 x 10 <sup>7</sup>	1 x 10 <sup>6</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>
Standard Types (nominal coil voltage coil resistance)	VDC Ω 5 29 6 40 9 90 12 160 18 360 24 640 48 2560	VDC/VAC Ω 3/6 25/19 6/12 70/75 12/24 100/300 24/48 225/1200 48/120 400/5217 100/220 900/22000 110/240 1600/26667 200/- 4500/-	VDC Ω 5 27 6 40 9 97 12 155 18 380 24 660 48 2560 110 13450	VDC Ω 5 27 6 40 9 97 12 155 18 380 24 660 48 2560 110 13450	VDC/VAC Ω std./sens. 5/12 27/25 6/24 40/100 9/120 95/2500 12/208 155/11000 18/240 380/13490 24/277 660/15000 48/- 2560/- 110/- 13450/-	VDC/VAC Ω 5/12 15.3/8 6/24 22/35.7 12/120 86/830 24/220 350/2870 48/240 1390/3800 110/227 7255/4700	See datasheet for coil data
Pickup / Dropout (% of V <sub>nom</sub> )	≤ 75% / ≥ 10%	≤ 75% / ≥ 5%	≤ 75% / ≥ 10%	≤ 75% / ≥ 10%	≤ 75% / ≥ 10%	≤ 75% / ≥ 10%	≤ 80% / ≥ 20%
Ambient Temperature	-55°C to +85°C	-40°C to +70°C	-55°C to +105°C	-55°C to +85°C	-55°C to +80°C	-55°C to +85°C	25°C to 70°C
Dielectric Strength (coil to contacts)	5000 VAC	4000 VAC	2500 VAC	2500 VAC	2500 VAC	4000 VAC	2500 VAC
Termination	PCB/QC	PCB	PCB	PCB	PCB	PCB/QC	Metal Plate std.
Operate / Release Time (typ. at V <sub>nom</sub> )	20 / 10 ms	30 / 30 ms	15 / 10 ms	8 / 3.5 ms	15 / 10 ms	15 / 10 ms	Vertical and Horizontal mounting
Approvals	TUV, UL, CUR	TUV, UL, CUR	VDE, UL, CUR	VDE, UL, CUR	VDE, UL, CUR	VDE, UL, CUR	UL, CUR
Accessories	-	-	-	-	-	-	Auxiliary contacts and micro switches



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Relay Type	AZEV116 / AZEV132	AZ2150W	AZSR131
Features	<ul style="list-style-type: none"> <li>Contact rating: 32 A / 440 VAC</li> <li>Contact gap: <math>\geq 2.25</math> mm</li> <li>Coil power at pickup 190 mW</li> <li>Dielectric strength 4000 VAC</li> <li>Short circuit carrying capability 1500 A</li> <li>Flux proof</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 30 A / 277 VAC</li> <li>Contact gap <math>\geq 1.75</math> mm</li> <li>Coil power at holding 277 mW</li> <li>Clearance / creepage <math>\geq 3</math> mm</li> <li>Dielectric strength 4000 VAC</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 35 A / 277 VAC</li> <li>Contact gap: <math>\geq 1.8</math> mm</li> <li>Coil power at holding <math>\geq 172</math> mW</li> <li>Dielectric strength 4500 VAC</li> <li>Flux proof</li> </ul>
Size L x W x H	35.0 x 16.0 x 27.9 mm	31.8 x 26.9 x 19.1 mm	30.4 x 15.9 x 25.15 mm
Other Versions	AZEV116: 16 A version	Epoxy sealed version	Contact gap (200) version: $\geq 2.3$ mm
Contact Forms A = N.O. B = N.C. C = C.O.	1A + 1B	1A	1A
Contact Material	AgSnO <sub>2</sub> +AgSnO <sub>2</sub> +Au	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	max. 32 A max. 440 VAC max. 30 VDC max. 8864 VA max. 960 W	30 A 440 VAC 250 VDC 8310 VA 900 W	35 A 277 VAC 9695 VA
Electrical Life Expectancy (at rated load)	3 x 10 <sup>4</sup>	3 x 10 <sup>4</sup>	3 x 10 <sup>4</sup>
Mechanical Life Expectancy	1 x 10 <sup>5</sup>	2 x 10 <sup>5</sup>	3 x 10 <sup>5</sup>
Standard Types (nominal coil voltage coil resistance)	VDC 12      Ω 93	VDC 5      Ω 22,5 6      32,5 9      73 12      130 24      520 48      2080	VDC 5      Ω 18 9      58 12      103 18      230 24      410 48      1650
Pickup / Dropout (% of V <sub>nom</sub> )	$\leq 75\%$ / $\geq 5\%$	$\leq 75\%$ / $\geq 10\%$	$\leq 70\%$ / $\geq 5\%$
Ambient Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Dielectric Strength (coil to contacts)	4000 VAC	4000 VAC	4500 VAC
Termination	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	30 / 10 ms	15 / 10 ms	20 / 10 ms
Approvals	TÜV, UL, CUR, CQC	VDE, UL, CUR	TÜV, UL, CUR
Accessories	-	-	-

Relay Type	AZ21501	AZSR143	AZSR235 / AZSR250	AZSR165
Features	<ul style="list-style-type: none"> <li>Contact rating: 50 A / 250 VAC</li> <li>Coil power at holding 842 - 843 mW</li> <li>Dielectric strength 4000 VAC</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 43 A / 277 VAC</li> <li>50A contact ratings available</li> <li>Contact gap: <math>\geq 1.8</math> mm</li> <li>Coil power at holding <math>\geq 196</math> mW</li> <li>Dielectric strength 4500 VAC</li> <li>10kV Surge</li> <li>Flux proof</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 2 x 50 A / 250 VAC</li> <li>Contact gap: AZ SR235 2 x 2.05 mm</li> <li>Contact gap: AZ SR250 2 x 1.85 mm</li> <li>Coil power at holding 54 - 95 mW</li> <li>Clearance / creepage <math>\geq 10</math> mm</li> <li>Dielectric strength 5000 VAC</li> <li>Flux proof</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 80 A / 540 VAC</li> <li>Contact gap: <math>\geq 3.0</math> mm</li> <li>Coil power at holding 351 - 355 mW</li> <li>Dielectric strength 4000 VAC</li> <li>Flux proof</li> </ul>
Size L x W x H	31.8 x 26.9 x 19.1 mm	35.0 x 16.0 x 27.9 mm	40.0 x 25.0 x 49.2 mm	38.0 x 33.0 x 41.5 mm
Other Versions	Epoxy sealed version	Contact gap (200) version: $\geq 2.0$ mm	AZSR235 / AZSR250: 2 x 35 A / 50 A	-
Contact Forms A = N.O. B = N.C. C = C.O.	1A / 1B / 1C	1A	1A / 2A	1A
Contact Material	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgNi, AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	50 A 300 VAC 30 VDC 12000 VA 1500 W	50 A 277 VAC 13850 VA	50 A 440 VAC 150 VDC 13850 VA 1500 W	80 A 690 VAC 43200 VA
Electrical Life Expectancy (at rated load)	1 x 10 <sup>4</sup>	3 x 10 <sup>4</sup>	5 x 10 <sup>4</sup>	1 x 10 <sup>3</sup>
Mechanical Life Expectancy	1 x 10 <sup>7</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>6</sup>	1 x 10 <sup>6</sup>
Standard Types (nominal coil voltage coil resistance)	VDC 5      Ω 16,7 6      24 9      54 12      96 18      216 24      384 48      1536 110      8067	VDC 5      Ω 15,5 9      50,5 12      90,0 18      202,5 24      360 48      1440	VDC 5      Ω 50 9      170 12      300 18      675 24      1200	VDC 6      Ω 16,2 9      36,8 12      65 24      262
Pickup / Dropout (% of V <sub>nom</sub> )	$\leq 75\%$ / $\geq 10\%$	$\leq 75\%$ / $\geq 5\%$	$\leq 75\%$ / $\geq 5\%$	$\leq 75\%$ / $\geq 5\%$
Ambient Temperature	-55°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Dielectric Strength (coil to contacts)	4000 VAC	4500 VAC	5000 VAC	4000 VAC
Termination	PCB	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	15 / 10 ms	20 / 10 ms	40 / 5 ms	40 / 10 ms
Approvals	UL, CUR	TÜV, UL, CUR	VDE, UL, CUR	TÜV, UL, CUR
Accessories	-	-	-	-



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## Wide Contact Gap Power Relays

**ZETTLER**

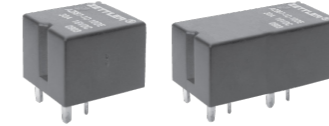


Relay Type	AZSR180	AZSR190	AZSR1160/180/200
Features	<ul style="list-style-type: none"> <li>• Contact rating: 80 A / 440 VAC</li> <li>• Contact gap: <math>\geq 2.05</math> mm</li> <li>• Coil power at holding 100 - 270 mW</li> <li>• Isolation spacing greater than 10 mm</li> <li>• Dielectric strength 5000 VAC</li> <li>• Flux proof</li> </ul>	<ul style="list-style-type: none"> <li>• Contact rating: 90 A / 480 VAC</li> <li>• Contact gap: <math>\geq 3.6</math> mm</li> <li>• Coil power at holding 306 - 307 mW</li> <li>• Dielectric strength 5000 VAC</li> <li>• Flux proof</li> </ul>	<ul style="list-style-type: none"> <li>• Contact rating: 160 A / 690 VAC</li> <li>• Contact gap: <math>\geq 3.15</math> mm</li> <li>• Coil power at holding 480 mW</li> <li>• Dielectric strength 4000 VAC</li> <li>• Flux proof</li> </ul>
Size L x W x H	40.0 x 25.0 x 49.2 mm	38.0 x 33.0 x 43.0 mm	63.3 x 62.0 x 41.7 mm
Other Versions	-	AZSR190T: 100 A Lower profile 41.5 mm height option	Contact gap (200) version: $\geq 3.6$ mm
Contact Forms A = N.O. B = N.C. C = C.O.	1A	1A	1A
Contact Material	AgSnO <sub>2</sub>	AgNi, AgSnO <sub>2</sub>	AgNi, AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	max. max. max. max.		
	80 A 440 VAC 150 VDC 21160 VA 2400 W	100 A 800 VAC 44000 VA	160 A 690 VAC 110400 VA
Electrical Life Expectancy (at rated load)	1 x 10 <sup>4</sup>	1 x 10 <sup>3</sup>	1 x 10 <sup>3</sup>
Mechanical Life Expectancy	1 x 10	1 x 10 <sup>6</sup>	1 x 10 <sup>6</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      Ω 12        300 24        1200	VDC      Ω 5         18,8 9         42,2 12        75 24        300	VDC      Ω 6         12 9         27 12        48 24        192
Pickup / Dropout (% of V <sub>nom</sub> )	$\leq 75\%$ / $\geq 5\%$	$\leq 75\%$ / $\geq 10\%$	$\leq 75\%$ / $\geq 5\%$
Ambient Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Dielectric Strength (coil to contacts)	5000 VAC	5000 VAC	4000 VAC
Termination	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	40 / 5 ms	40 / 10 ms	40 / 15 ms
Approvals	VDE, UL, CUR	TÜV, UL, CUR	TÜV, UL, CUR
Accessories	-	-	-



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## Automotive Relays



	AZ947	AZ9871	AZ983	AZ970E / AZ971E open version    covered version
Features	<ul style="list-style-type: none"> <li>• Contact rating: 20 A / 14 VDC</li> <li>• Subminiature size</li> <li>• Coil power at pickup 216 - 222 mW</li> </ul>	<ul style="list-style-type: none"> <li>• Contact rating: 30 A / 14 VDC</li> <li>• Coil power at pickup 187 - 609 mW</li> <li>• Single or double relay</li> <li>• Epoxy sealed</li> </ul>	<ul style="list-style-type: none"> <li>• Contact rating: 80 A / 14 VDC</li> <li>• PCB version</li> <li>• Coil power at pickup 761 mW</li> </ul>	<ul style="list-style-type: none"> <li>• Contact rating: 40 A / 14 VDC</li> <li>• Coil power at pickup 514 - 573 mW</li> <li>• Open, covered or sealed</li> <li>• European footprint</li> </ul>
Size L x W x H	15.7 x 12.3 x 14.0 mm	12.9 x 12.0 x 9.9 / 23.8 x 12.9 x 9.9 mm	29.0 x 29.0 x 26.5 mm	23.0 x 18.8 x 18.0 / 26.2 x 21.1 x 21.1 mm
Other Versions	Epoxy sealed version	-	Diode or resistor across coil Epoxy sealed version	AZ970E: open, AZ971E: covered Epoxy sealed version
Contact Forms	1A / 1C / 1U	1A / 1C / 2A / 2C	1A / 1B / 1C	1A / 1C
Contact Material	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	20 A (N.O.) / 6 A (N.C.) 250 VAC 42 VDC 1250 VA 280 W	30 A 24 VDC 420 W	80 A (1 Form A) 60 A (1 Form C / B) 28 VDC 1120 W (1 Form A) 840 W (1 Form C / B)	40 A (1 Form A) 30 A (1 Form C / B) 150 VDC 560 W (1 Form A) 420 W (1 Form C / B)
Electrical Life Expectancy (at rated load)	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>
Mechanical Life Expectancy	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	5 x 10 <sup>6</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      Ω 6         60 9         135 12        240 24        960	VDC      Ω 10        181 12        254 24        1010	VDC      Ω 6         20 12        80 24        320	VDC      Ω 6         19 9         50 12        90 24        362
Pickup / Dropout (% of V <sub>nom</sub> )	$\leq 60\%$ / $\geq 5\%$	$\leq 57\%$ / $\geq 12\%$	$\leq 65\%$ / $\geq 10\%$	$\leq 57\%$ / $\geq 6\%$
Ambient Temperature	-40°C to +85°C	-40°C to +105°C	-40°C to +85°C	-40°C to +105°C
Dielectric Strength (coil to contacts)	500 VAC	500 VAC	500 VAC	500 VDC
Termination	PCB	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	10 / 5 ms	3 / 1.5 ms	7 / 5 ms	5 / 3 ms
Approvals	-	-	-	-
Accessories	-	-	-	-





Relay Type	AZ9731	AZ979 / AZ980 flange mounting plug in	AZ9891J
Features	<ul style="list-style-type: none"> <li>Contact rating: 40 A / 14 VDC</li> <li>Quick connect or plug in version</li> <li>Coil power at pickup 676 mW</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 80 A / 14 VDC</li> <li>Quick connect or plug in version</li> <li>Coil power at pickup 676 - 761 mW</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 30 A / 16 VDC</li> <li>Coil power at pickup 180 - 194 mW</li> <li>Single or double relay</li> <li>Epoxy sealed</li> </ul>
Size L x W x H	26.5 x 26.5 x 36.0 mm	29.0 x 29.0 x 26.5 mm	14.3 x 7.5 x 13.8 / 14.3 x 15.7 x 13.8 mm
Other Versions	Diode or resistor across coil Epoxy sealed version (shrouded cover)	Diode or resistor across coil Epoxy sealed version	-
Contact Forms A = N.O. B = N.C. C = C.O.	1A / 1B / 1C / 1U	1A / 1B / C	1C / 2C
Contact Material	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	max. 40 A max. 28 VDC max. 560 W	80 A (1 Form A) 60 A (1 Form C / B) 28 VDC 1120 W (1 Form A) 840 W (1 Form C / B)	30 A 16 VDC 480 W
Electrical Life Expectancy (at rated load)	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	3 x 10 <sup>5</sup>
Mechanical Life Expectancy	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	3 x 10 <sup>6</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      Ω 6          22,5 12         90 24         360	VDC      Ω 6          20 12         90 24         360	VDC      Ω 6          63 12         181 24         254
Pickup / Dropout (% of V <sub>nom</sub> )	≤ 65% / ≥ 10%	≤ 65% / ≥ 10%	≤ 60% / ≥ 12%
Ambient Temperature	-40°C to +125°C	-40°C to +85°C	-40°C to +105°C
Dielectric Strength (coil to contacts)	750 VAC	500 VAC	500 VAC
Termination	Quick connect or plug in	Quick connect or plug in	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	7 / 5 ms	7 / 5 ms	10 / 10ms
Approvals	-	-	-
Accessories	ST9721 Sockets	ST980 Sockets	-

Relay Type	AZ977	AZDC110	AZDC6	AZDC105
Features	<ul style="list-style-type: none"> <li>Contact rating: 20 A</li> <li>Small size</li> <li>Coil power at pickup 430 - 530 mW</li> <li>Plug in relay</li> <li>Dust cover</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 16 A / 180 VDC 10 A / 300 VDC 5 A / 420 VDC 16 A / 300 VAC</li> <li>Coil power at pickup 224 - 225 mW</li> <li>Dielectric strength 5000 VAC</li> <li>Flux proof</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 12.5 A / 600 VDC</li> <li>Coil power at holding ≥ 222 mW</li> <li>Dielectric strength 4000 VAC</li> <li>6kV surge</li> </ul>	<ul style="list-style-type: none"> <li>Contact rating: 150 A / 60 VDC</li> <li>Contact gap: ≥ 3.0 mm</li> <li>Coil power at pickup 224 - 225 mW</li> <li>Dielectric strength 4000 VAC</li> <li>Flux proof</li> </ul>
Size L x W x H	23.0 x 15.5 x 26.0 mm	29.3 x 12.7 x 19.0 mm	33.9 x 30.6 x 16.0	38.0 x 33.0 x 43.0 mm
Other Versions	Diode or resistor across coil Sensitive coil version	-	-	-
Contact Forms	1A / 1C	1A	1A / 2A	1A
Contact Material	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Contact Ratings (at resistive load)	20 A 150 VDC 280 W	16 A 300 VAC 420 VDC 4800 VA 3000 W	12.5 A 600 VDC 7500 W	150 A 60 VDC 9000 W
Electrical Life Expectancy (at rated load)	1 x 10 <sup>5</sup>	3 x 10 <sup>4</sup>	6 x 10 <sup>3</sup>	1 x 10 <sup>3</sup>
Mechanical Life Expectancy	1 x 10 <sup>6</sup>	3 x 10 <sup>7</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>6</sup>
Standard Types (nominal coil voltage coil resistance)	VDC      Ω std./sens. 6          25/32 12         97/123 24         384/483	VDC      Ω 5          62,5 6          90 9          203 12         360 18         810 24         1440	VDC      Ω 5          18 9          58 12         103 24         410 48         1650	VDC      Ω 12         45 24         180 48         720
Pickup / Dropout (% of V <sub>nom</sub> )	≤ 60% / ≥ 8%	≤ 70% / ≥ 5%	≤ 75% / ≥ 5%	≤ 75% / ≥ 5%
Ambient Temperature	-40°C to +85°C	-40°C to +105°C	-40°C to +90°C	-40°C to +85°C
Dielectric Strength (coil to contacts)	1000 VDC	5000 VAC	4000 VAC	4000 VAC
Termination	Plug in	PCB	PCB	PCB
Operate / Release Time (typ. at V <sub>nom</sub> )	10 / 7 ms	10 / 5 ms	30 / 10 ms	30 / 10 ms
Approvals	-	TÜV, UL, CUR	CUR	TÜV, UL, CUR
Accessories	ST977 Sockets	-	-	-



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Suggested Equivalent

Panasonic NAIS (Aromat)	ZETTLER	Fujitsu-Takamisawa	ZETTLER
AEP	AZHVDC	A	AZ850/AZ851/AZ8512
AGQ	AZ852/AZ8521	FBR1	AZ8462
ALD	AZ9375	FBR51	AZ947/AZ9471
ALF	AZ697/AZ6975	FBR160	AZ942/AZ943/AZ942H
ALZ	AZ762/AZ576	FBR210	AZ951/AZ952/ AZ954X
DK/DSP	AZ880/AZ888	FBR240	AZ822/AZ8222
CB 40 amp	AZ973/AZ974 AZ9731/AZ9741	FBR610-K	AZ755/AZ7555
CJ	AZ989/AZ9891J	FBR610	AZ697/AZ6975
CM	AZ988	FBR620	AZ733/AZ743/AZ7335
CT5	AZ921/AZ9891J	FRL	AZ971/AZ9711
DS2	AZ830/AZ83	FTR-B3	AZ852/AZ8521
DS2 Latching	AZ830P/AZ832P	FRT-C1	AZ8462
DS2Y	AZ830/AZ832	FTR-F1	AZ742/AZ743
HD	AZ955/AZ957/AZ9571	FTR-F4G	AZ733W
HC/HJ/HL	AZ164/AZ164 AZ165/AZ1651/AZ1661	FTR-H1	AZ761/AZ576
K 4-Pol	AZ421/AZ429	FTR-K1	AZ762/AZ576
K 6-Pol	AZ431/AZ439	FTR-K3	AZSR126
LF-G	AZSR126	FTR-P2	AZ921/AZ9891J
JJM	AZ947/AZ9471	FTR-LY	AZ6991
JQ	AZ940/AZ9405	JS	AZ696/AZ6961/AZ6962
JR	AZ755/AZ7555	LZ	AZ8/AZ8A
JS	AZ942/AZ943/AZ942H	MZ	AZ8/AZ8A
JSM	AZ9421A	NA	AZ8462
JT-G	AZ2150W	NY	AZ921
JTN/JTV	AZ2110/AZ21101/AZ2210 AZ2210 AZ2150/AZ21501 AZ2250	RA	AZ822/AZ8222/AZ832
JTN1	AZ2270	RY	AZ822/AZ8222/AZ832
JV	AZ9481	SY	AZ951Y/AZ955/AZ957/AZ9571
JW1	AZ755/7555/AZ576 AZ761/AZ762	VS	AZ697/AZ6975/AZ761/AZ762/AZ576
JW2	AZ733/AZ743/AZ7335	Hasco	ZETTLER
LD	AZ921	2KLT	AZ945
LK	AZ673	BAS-111	AZ952/AZ954X
PA	AZ921	BAS-511	AZ952/AZ954X
PC1	AZ987/AZ9871	CAR	AZ973/AZ9731
PE/PF	AZ6991	CAS212	AZ822/AZ8222
PQ	AZ940/AZ9405	HAS-115	AZ822/AZ8222
SW2-DIE	SGC-4F	HAS-211	AZ952
TQ2	AZ847/AZ850 AZ851/AZ8512	HAS-212	AZ822/AZ8222/AZ830/AZ832
TW	AZ8462	HAT-901	AZ2150/AZ21501/AZ2151
TX2	AZ8462	HAT-904	AZ2800/AZ2850
		HBS	AZ957/AZ9571
		HPR	AZ940/AZ9405
		KLT	AZ942/AZ943/AZ942H
		KSD	AZ946
		MHR	AZ9481
		SLT	AZ947/AZ9471
		SSD	AZ8/AZ8A
		T	AZ850/AZ850P

Suggested Equivalent

Magnecraft (MSD)	ZETTLER	OEG	ZETTLER
Class 76/277	AZ697/AZ6975/AZ761/AZ762/AZ576/AZ733/AZ743/AZ7335/AZ755/AZ7555	OJ/OJE	AZ770/AZ7705/AZ7709
Class 78	AZ164/AZ1641 AZ165/AZ1651	OMI/OMIH	AZ755/AZ7555 AZ761/AZ762/AZ576
Class 90	AZ2110/AZ21101/AZ2120/AZ2150/AZ21501	OMIT	AZ697/AZ6975
Class 91	AZ2100/AZ21001 AZ2280/AZ22801	ORW	AZ942/AZ943/AZ942H
Class 92	AZ2800/AZ2850	ORWH/PCE	AZ932
Class 178	AZ942/AZ943/AZ942H	ORZ	AZ828/AZ8222 AZ830/AZ832
Class199/MGN	AZPRD	OSA	AZ673
Class 272	AZ822/AZ8222	OUA/OUAT	AZ951/AZ954X/AZ952
Class 232	AZ951/AZ952/AZ954X	OUAZ	AZ951/AZ954X/AZ952
Class 270	AZ942/AZ943	OUDT/OUDTM	AZ8/AZ8A
Class 281	AZ164/AZ1641 AZ165/AZ1651	OUDE	AZ8/AZ8A
Class 283	AZKUP	OZ	AZ755/AZ7555 AZ762/AZ576
Class 725	AZ2700	OZF	AZ756
Omron	ZETTLER	PCD	AZ9481
G2R	AZ755/AZ7555	SRET	AZ164/AZ1641/AZ165/AZ1651/AZ1661
G2RK	AZ762P	SRW	AZ942/AZ943/AZ942H
G2RL	AZ742/AZ743/AZ576 AZ761/AZ762	SRU/SRUT	AZ942/AZ943
G4A	AZ769/AZ7695	Schrack	ZETTLER
G5C	AZ9481	RP	AZ697/AZ6975/AZ733/AZ743/AZ7335/AZ761/AZ762/AZ576/AZ763/AZ76
G5L/LE	AZ942H/AZ943	RS	AZ822/AZ8222 AZ830/AZ832 AZ830P/AZ832P
G5N	AZ6951	RT1	AZ762/AZ762P/AZ576
G5Q	AZ9403	RT2/RTD/RTE	AZ742/AZ743/AZ761/AZ762
G5V-1	AZ955/AZ957/AZ9571	RY	AZ696/AZ6961/AZ6962
G5V-2	AZ822/AZ8222	SNR	AZ6991
G6A	AZ830/AZ832/AZ830P/AZ832P	TD	AZ2110/AZ21101/AZ2111/AZ2150/AZ21501/AZ2151
G6B/C	AZ888	TE	AZ2100/AZ21001/AZ2280/AZ22801
G6D	AZ6951	TF	AZ942/AZ943/AZ942H
G6H	AZ850/AZ851/AZ8512/AZ8521	TN	AZ942/AZ943
G6K	AZ852/AZ8512	TP	AZ8/AZ8A
G6R	AZ696/AZ6961/AZ6962	ZD	AZ2110/AZ21101/AZ2111/AZ2150/AZ21501/AZ2151
G6S	AZ8462	ZF	AZ942/AZ94
G7L	AZ2700	Sanyou	ZETTLER
G8H	AZ988	DSY2Y	AZ822/AZ8222
G8J	AZ974/AZ9741	SARL	AZ973/AZ9731
G8JN	AZ973/AZ9731	SARS	AZ988
G8JR	AZ979/AZ980	SFK	AZ769/AZ7695
G8N	AZ989/AZ9891J	SJ	AZ770/AZ7705/AZ7709
G8P	AZ2110/AZ21101/AZ2111/AZ2270/AZ2280/AZ22801/AZ2150/AZ21501/	SLA	AZ2150/AZ21501
G8PE	AZ2150W	SLC	AZ2100/AZ21001
G8PT	AZ987/AZ9871	SMA	AZ673
G8QN	AZ2151/AZ21501	SME/SMET	AZ164/AZ1641/AZ165/AZ1651/AZ1661
G8SN	AZ9471	SRB	AZ9375
G8W	AZ9421A	SRD/SRDH	AZ942/AZ943
G8V	AZ986	SYS1K	AZ954X/AZ952
G9E	AZ984/AZ9841	SYS1	AZ954X/AZ952
LY/MY	AZHVDC		
MHQ	AZ164/AZ1641/AZ165/AZ1651/AZ1661 AZ2429		

Song Chuan	ZETTLER	Tyco (P&B)	ZETTLER
109	AZ989/AZ9891J	3100	XMC0
110	AZSR126	K10	AZ164/AZ1641/AZ165/AZ1651/AZ1661
202/202HT	AZ9375	KUP	AZKUP
207/875	GP10	PCJ	AZ9375
301	AZ984/AZ9841	PRD	AZPRD
303	AZ992	PCFN	AZSR126
307/899	AZ943	RKA/RKS	AZ697/AZ6975/AZ742/AZ743/AZ761/ AZ762/AZ576/AZ763/AZ764/AZ755/ AZ7555
507/888H	AZ761/AZ762/AZ576/AZ742/AZ743	R10R	AZ2429
731/	AZKUP	RT	AZ742/AZ743/AZ576/AZ761/AZ762
792	AZ973/AZ9731	SSRT	SGX-1505FB
792H	AZ973/AZ9731	TB1	AZ989/AZ9891J
793	AZ697/AZ6975/AZ755/AZ7555/AZ733/ AZ7335	T70	AZ942/AZ943
801H/A	AZ942/AZ943	T7C	AZ942/AZ943/AZ942H
812H	AZ932/AZ943/AZ942H	T7N	AZ942/AZ943
812HM	AZ9421A	T72	AZ942/AZ943
821	AZ769/AZ7695	T72J/K/M	AZ9421A/AZ947/AZ9471
822	AZ970/AZ9701/AZ971/AZ9711	T73	AZ8/AZ8A
832A	AZ2150/AZ21501	T75	AZ696/AZ6962
833H	AZ942/AZ942H/AZ943	T77	AZ770/AZ7705/AZ7709
834	AZ766	T81	AZ951/AZ954X/AZ952
835	AZ770/AZ7705/AZ7709	T82	AZ822/AZ8222
841	AZ2702	T83	AZ830/AZ832
842	AZ954X/AZ952	T85	AZ822/AZ8222
842A	AZ954X/AZ952	T90	AZ2110/AZ21101/AZ2111/AZ2150/ AZ21501/AZ2151
845	AZ742/AZ743/AZ761/AZ762/AZ576	T9A	AZ2100/AZ21001/AZ2101/AZ2200 AZ2100/AZ21001/AZ2150/AZ21501/ AZ2270/AZ2280/AZ22801
855AWP	AZ2270/AZ2280	T92	AZ2800/AZ2850
861	AZ975/AZ9751/AZ976/AZ9761	V23026	AZ956/AZ956P
871	AZ988	V23042	AZ830/AZ832
882	AZ6991	V23084	AZ921/AZ9891J
892/892H	AZ940/AZ9405	V23086	AZ987/AZ9871
895	AZ2100/AZ21001	V23079	AZ8462
896	AZ9731	V23105	AZ822/AZ8222
897	AZ979/AZ980	V23106	AZ850/AZ851/AZ8512
898	AZ986	VF4/23134A	AZ973/AZ9731/AZ974/AZ9741
SCL/SCL-1	AZ164/AZ1641/AZ165/AZ1651	VF7/23134J	AZ979/980
SCLA	AZ164/AZ1641/AZ165/AZ1651	VF28	AZ986
SCLB/SCLD	AZ164/AZ1641/AZ165/AZ1651	VJ28	AZ984/AZ9841
		VFM	AZ988
		VKM/23072	AZ975/AZ9751/AZ976/AZ9761
		VKP	AZ9701/AZ9711
		VM	AZ984/AZ9841

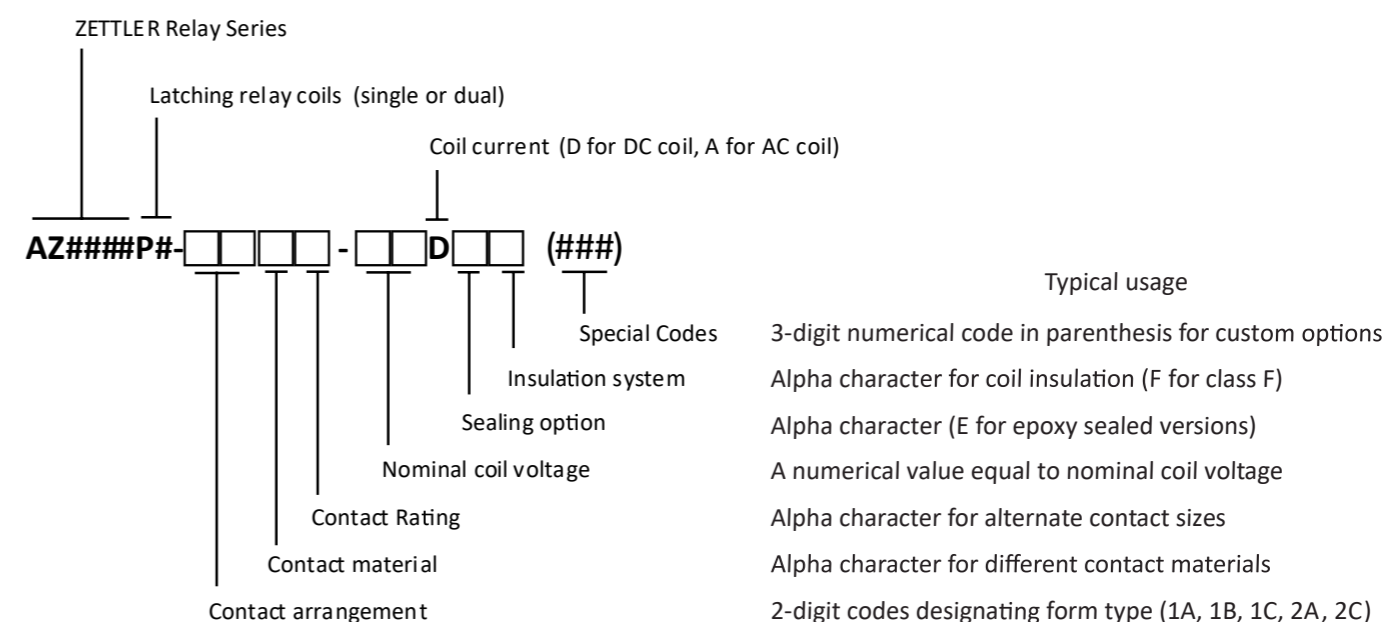
Find a Data Sheet

Find a relay you want more information on? Visit [www.azettler.com/data-sheets/](http://www.azettler.com/data-sheets/) to download a data sheet or scan the code below.



Understanding Ordering Numbers

Suffix options for each relay series can be unique and often impact pricing. The suffixes below are common examples, but not always available with each series. Consult the data sheet to confirm details or contact ZETTLER support for clarification.



EXAMPLE ORDERING DATA

AZ576P2-1B-5DE	AZ576P (latching) relay with 2 coils, 1 Form B contact, 5 VDC coil voltage, epoxy sealed
AZEV132-1A1BG-12D	AZEV132 relay with 1 Form A contact and 1 Form B (gold-plated) contact, 24 VDC coil voltage
AZ2800-2C-120A	AZ2800 relay with 2 Form C contacts and a 120 VAC coil voltage

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# ZETTLER GROUP

ZETTLER GROUP's diversified product lines are designed to provide complete solutions for component applications across a broad spectrum of industries.

## ZETTLER RELAYS

ZETTLER Relays are used in a wide spectrum of applications, including Power, HVAC/R, Energy Management, Lighting, Metering, Automotive, Industrial, Tele-Communications, Security, Home Appliances, Medical, Solar, Electric Vehicle Charging and many other types of electric and electronic equipment. For decades, customers in these industries have embraced ZETTLER Relays for their quality and agree that "It's a better Relay".



## ZETTLER MAGNETICS



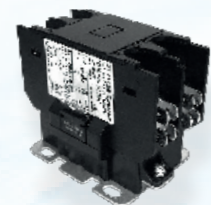
A diversified range of MAGNETICS products has long been an integral part of ZETTLER Group's engineering and production competence. ZETTLER Magnetics offers a complete line of PCB and chassis-mounted Transformers, Toroids and Chokes as well as current sensors.

## ZETTLER DISPLAYS

ZETTLER Displays manufactures and markets a broad line of TFT panels and LCD modules under the AZ Displays and ZETTLER Displays brands, and has established an industry leading reputation as a provider of top quality display solutions in a wide range of industry applications.

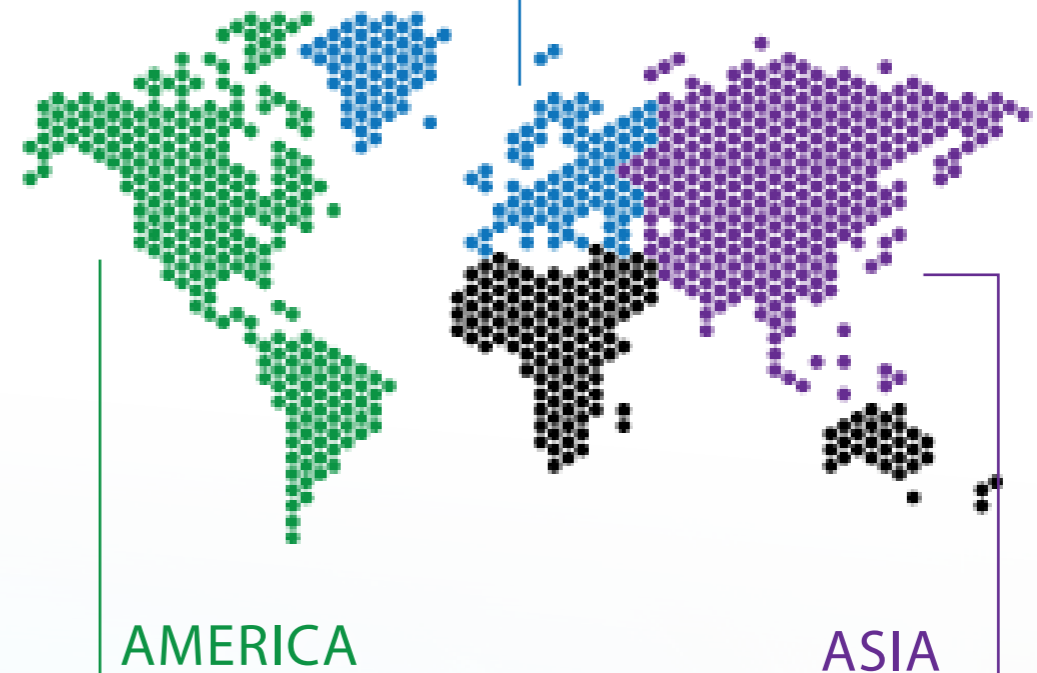


## ZETTLER CONTROLS



Within ZETTLER Group's portfolio, ZETTLER Controls is a prime example of our capacity to not only develop and market high quality electronic components, but also to provide focused industry specific engineering solutions. ZETTLER Controls offers industry leading and highly specialized support services to the HVAC/R market with a comprehensive product line of contactors, relays, transformers, heat sequencers, temperature sensors, and fan centers.

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ZETTLER CONTROLS Inc.  
ZETTLER MAGNETICS Inc.  
ZETTLER Integrated Solutions Inc.  
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