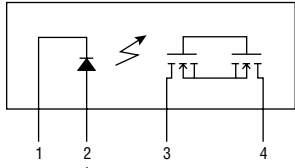


Solid State Relays — continued

PhotoMOS – AQZ Series



H = 11, W = 21, D = 3.5



NAIS

- Compact 4 pin SIL package
- Extremely low On-Resistance
- High capacity AC or DC output switching
- High isolation voltage 2500V

Load Voltage (pk)	Load Current	On-resistance (max)Ω	Mfrs. List No.	Order Code
60V	3.0A	0.18	AQZ202	180-154
100V	2.0A	0.34	AQZ205	180-166
200V	1.0A	1.1	AQZ207	180-178
400V	0.5A	3.2	AQZ204	180-180

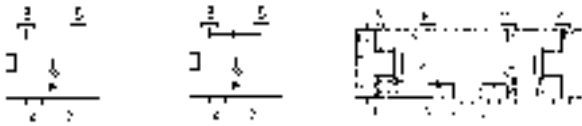
rel223

Load Voltage Range (pk)	Order Code	Price Each				
		1+	25+	50+	100+	500+
Single Pole, ac or dc load						
0 to ± 60V	180-154					
0 to ± 100V	180-166					
0 to ± 200V	180-178					
0 to ± 400V	180-180					

Photovoltaic (MOSFET) PVA/D/R Series



Pin spacing 0.1" 0.3"



- Normally open solid state replacement for reed relays
- Utilises a unique bidirectional (ac or dc) MOSFET termed a BOSFET[®] as an output switch

Load Voltage Range (Vpk)	On-state resistance @ 25°C (Ω)		Load Current @ 40°C (mA) (dc) Max.	Control Current (mA) (dc) Nom.	Off-state Res. (Ω) Min.	Mfrs. List No	Order Code
	ac	dc					
Single Pole, ac or dc Load							
0 to ±100	5.0	5.0	315	5.0	10 ¹⁰	PVA1354	331-120
0 to ±200	24	24	130	5.0	10 ⁸	PVA2352	331-132
0 to ±300	160	160	40	5.0	10 ¹¹	PVA3055	735-220
0 to ±300	24	24	130	5.0	10 ¹⁰	PVA3354	331-144
Single Pole, dc Load Only							
0 to ±100	—	1.5	500	5.0	10 ¹⁰	PVD1354	331-156
0 to ±200	—	6.0	220	5.0	10 ⁸	PVD2352	331-168
Double Pole ac or dc Load							
0 to ±100	5.0	1.5	400	10	10 ¹⁰	PVR1301	331-170
0 to ±300	24	6.0	260	10	10 ¹⁰	PVR3301	331-181

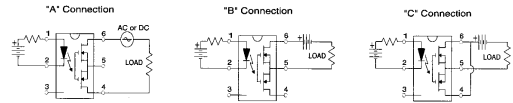
REL006

Load Voltage Range (Vpk)	Order Code	Price Each				
		1+	25+	100+	250+	500+
Single Pole, ac or dc Load						
0 to ±100	331-120					
0 to ±200	331-132					
0 to ±300	735-220					
0 to ±300	331-144					
Single Pole, dc Load Only						
0 to ±100	331-156					
0 to ±200	331-168					
Double Pole, ac or dc Load						
0 to ±100	331-170					
0 to ±300	331-181					

Photovoltaic (MOSFET) - PVG/N/T/U Series



Pin Spacing 0.1" 0.3"
L = 9.39, W = 6.47, D = 3.42



- 735-279 and 735-280 are ideally suited for switching high currents from low voltage ac or dc sources
- 735-292 is specifically designed for worldwide telecoms applications
- 735-309 has high operating speed and low EMF voltage, ideally suited for instrumentation, Multiplexing, scanning and data acquisition applications
- HEXFET output
- ac or dc switching capability
- 4kVrms I/O isolation
- Bounce free operations
- Linear AC/DC operation
- 6 pin DIL

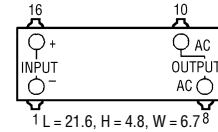
Load Voltage Range (Vpk)	On-State resistance @ 25°C (Ω)		Load Current @ 40°C (A) (dc) Max	Control Current (mA) (dc) Norm	Off state Res (Ω) Min	Order Code
	ac	dc				
0 to ± 60	0.5	0.15	2	10	10 ¹²	735-279
0 to ± 20	100	0.04	4.5	10	10 ¹²	735-280
0 to ± 400	27	7	0.21	10	10 ¹²	735-292
0 to ± 400	27	7	0.21	10	10 ¹²	735-309

rel196

Load Voltage Range (V pk)	Mfrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
Single Pole, ac or dc Load							
0 to ± 60	PVG612	735-279					
0 to ± 20	PVN012	735-280					
0 to ± 400	PVT412	735-292					
0 to ± 400	PVU414	735-309					

1.5A – SDI/SDV Series

CRYDOM



- Miniature ac SSRs in compact 16 pin DIP package
- Suitable for high density PCB mounting
- SDI is current operated, SDV is voltage operated
- Zero voltage or random switching versions available
- SCR output

Load Voltage Range (Vrms)	Control Current (mA)	Control Voltage (Vdc)	Load Current (A)	Mfrs. List No.	Order Code
12-280	—	3.5-10	0.01-1.5	SDV2415	959-406
12-280	—	3.5-10	0.01-1.5	SDV2415R	959-418

Isolation 3750V rms Off state dv/dt 500V/μs

rel206

Load Rating	Order Code	Price Each				
		1+	25+	100+	250+	500+
Current Controlled Input						
1.5A zero voltage switching	.959-388					
Voltage Controlled Input						
1.5A zero voltage switching	.959-406					
1.5A random switching	.959-418					

MP and P Series

OPTO 22



- Lifetime Guarantee
- Zero voltage turn-on
- Zero current turn-off
- Built in snubber
- 200% tested at 0.5 power factor
- 4000 volt isolation (photo)
- TTL compatible
- High PRV rating

- Operating temp -40° to 100°C
- Input to output coupling capacitance 8PF max
- UL and CSA approved 28

Nominal Current Rating Amps	1 Cycle Surge (Amps) Peak	Signal Pickup Voltage	Signal Drop-out Voltage	Off Stage Leakage mA Max	Operating AC Voltage Range	I ^t Rating t = 8.3 ms	Mfrs. List No.	Order Code
2	20	3V dc* (32V allowed)	1V dc	5mA	24-280	2	MP240D2	722-9070
							P240D2	722-9094
4	85	3V dc* (32V allowed)	1V dc	5mA	24-280	30	MP240D4	722-9082
							P240D4	722-9100

