

Subminiature relays

Low level to 10 Amps

Series	M6106/38	M6106/39	M6106/40
Rating	Low level to 5 Amps	Low level to 5 Amps	Low level to 10 Amps
觸點配置	2 PDT	4 PDT	3 PDT
形式	Non-latch and latch	Non-latch and latch	Non-latch and latch
電性資料(VAC with 400 Hz)			
Contact rating	28 VDC / 115 VAC	28 VDC / 115 VAC	28 VDC / 115 VAC
Resistive	5 Amps / 5 Amps	5 Amps / 5 Amps	10 Amps / 10 Amps
Inductive	3 Amps / 5 Amps	3 Amps / 5 Amps	6 Amps / 8 Amps
Motor	2 Amps / 3 Amps	2 Amp / 3 Amps	4 Amps / 4 Amps
Lamp	1 Amp / 1 Amp	1 Amp / 1 Amp	2 Amps / 2 Amps
Nominal coil voltage			
Coil power @ Nominal			
Coil power @ Pick up			
DC Non-latch	6 / 12 / 28 / 48 VDC	6 / 12 / 28 / 48 VDC	6 / 12 / 28 / 48 VDC
DC Latch	6 / 12 / 28 VDC	6 / 12 / 28 VDC	6 / 12 / 28 VDC
AC coil (50 – 400 Hz)	28, 115/200 VAC	28, 115/200 VAC	28, 115/200 VAC
Coil resistance (Ohms)			
DC Non-latch	30/125/500/1600	25/100/400/1275	25/100/400/1275
DC Latch	43 / 182 / 730	37 / 148 / 600	600
AC coil, Current, I max.	.100 / .040 / .024	.120 / .040 / .028	.120 / .040 / .028
Operate time, max. (ms)			
DC Non-latch	4	6	6
DC Latch	4	6	15
AC coil	12	15	6
Release time, max. (ms)			
DC Non-latch	4	6	6
AC coil	4	25	25
Bounce time max (ms)	1.0	1.0	1.0
Environmental data			
Temperature range	-70°C - 125°C	-70°C - 125°C	-70°C - 125°C
Mechanical data			
Weight, max	16 g	30 g	31 g
Dimensions, max (in)	0.81 * 0.41 * 0.64	0.81 * 0.41 * 0.64	0.81 * 0.41 * 0.64

Subminiature relays

Low level to 25 Amps

Series	M6106/19、M6106/20	M6106/12、M6106/13
Rating	Low level to 25 Amps	Low level to 25 Amps
觸點配置	1 PDT	3 PST/NO, 2 Amps 1 PDT Aux.
形式	Non-latch and latch	Non-latch and latch
電性資料(VAC with 400 Hz)		
Contact rating	28 VDC / 115 VAC	28 VDC / 115 VAC
Resistive	25 Amps / 25 Amps	25 Amps / 25 Amps
Inductive	12 Amps / 15 Amps	12 Amps / 15 Amps
Motor	10 Amps / 10 Amps	10 Amps / 10 Amps
Lamp	5 Amps / 4 Amps	5 Amps / 5 Amps
Nominal coil voltage		
Coil power @ Nominal		
Coil power @ Pick up		
DC Non-latch	6 / 12 / 28 / 48 VDC	6 / 12 / 28 / 48 VDC
DC Latch	6 / 12 / 28 / 48 VDC	6 / 12 / 28 / 48 VDC
AC coil (50 – 400 Hz)	28, 115/200 VAC	28, 115/200 VAC
Coil resistance (Ohms)		
DC Non-latch	20 / 80 / 320 / 1000	18 / 70 / 290 / 890
DC Latch	38 / 150 / 600 / 1600	28 / 112 / 450 / 1500
AC coil, Current, I max.	.100 / .040 / .024	.120 / .040 / .028
Operate time, max. (ms)		
DC Non-latch	10	15
DC Latch	10	15
AC coil	15	20
Release time, max. (ms)		
DC Non-latch	10	15
AC coil	50	50
Bounce time max (ms)	1.0	1.0 (Aux. 4)
Environmental data		
Temperature range	-70°C - 125°C	-70°C - 125°C
Mechanical data		
Weight, max	45 g	85 g
Dimensions, max (in)	DC: 1.015 * 0.515 * 1.000 AC: 1.015 * 0.515 * 1.125	1.025 * 1.025 * 1.010

BALANCED ARMATURE RELAYS

10 - 25 Amps

Series	MS24149	MS24568	MS27418
Rating	10 Amps	15 Amps	25 Amps
觸點配置	2 PDT	4 PDT	3 PST / NO
電性資料(VAC with 400 Hz)			
Contact rating	28 VDC / 115 VAC	28 VDC / 115 VAC	28 VDC / 115 VAC
Resistive	10 Amps / 10 Amps	10 Amps / 15 Amps	25 Amps / 25 Amps
Inductive	10 Amps / 10 Amps	10 Amps / 10 Amps	15 Amps / 25 Amps
Motor	6 Amps / 6 Amps	6 Amps / 8 Amps	20 Amps / 20 Amps
Lamp	2 Amps / 2 Amps	3 Amps / 4 Amps	10 Amps / 10 Amps
@115 VAC, 50/60 Hz, 3Ø			
Resistive	6 Amps	10 Amps	25 Amps
Inductive	4 Amps	6 Amps	25 Amps
Motor	3 Amps	4 Amps	12 Amps
Lamp	1.5 Amps	2 Amps	10 Amps
Nominal coil voltage(s)	28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz	28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz	28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz
Resistance, ±10%	160 Ω	92 Ω	160 Ω
Operate time, max. (ms)			
DC coil	20	25	20
AC coil	20	25	20
Release time, max. (ms)			
DC coil	20	20	10
AC coil	50	50	50
Bounce time max (ms)	2	N/O 3, N/C 5	2
Environmental data			
Temperature range	-70°C - 125°C	-70°C - 125°C	-70°C - 125°C
Mechanical data			
Weight, max	7.04 oz.	12.8 oz.	10.56 oz.
Dimensions, max (in)	2.50*1.625*2.60	2.062*2.062*1.807	1.531*1.531*1.680

10 - 25 Amps (Cont.)

Series	MS27706	MS24568
Rating	25 Amps	25 Amps
觸點配置	3 PST-CO/NO	3 PST-CO/NO w / 2 Amps, 1 PDT
電性資料(VAC with 400 Hz)		
Contact rating	28 VDC / 115 VAC	28 VDC / 115 VAC
Resistive	25 Amps / 25 Amps	25 Amps / 25 Amps
Inductive	15 Amps / 25 Amps	15 Amps / 25 Amps
Motor	20 Amps / 20 Amps	20 Amps / 20 Amps
Lamp	10 Amps / 10 Amps	10 Amps / 10 Amps
@115 VAC, 50/60 Hz, 3Ø		
Resistive	25 Amps	25 Amps
Inductive	25 Amps	25 Amps
Motor	12 Amps	12 Amps
Lamp	10 Amps	10 Amps
Nominal coil voltage(s)	28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz	28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz
Resistance, ±10%	160 Ω	160 Ω
Operate time, max. (ms)		
DC coil	20	20
AC coil	20	25
Release time, max. (ms)		
DC coil	10	10
AC coil	50	50
Bounce time max (ms)	5	2 Aux. 4
Environmental data		
Temperature range	-70°C - 125°C	-70°C - 125°C
Mechanical data		
Weight, max	22.7 oz.	7.04 oz.
Dimensions, max (in)	3.54 * 3.00 * 3.20	1.531 * 1.531 * 1.680

AC/DC POWER CONTACTORS

25 - 50 Amps

Series	MS27997	MS27222
Rating	25 Amps	50 Amps
觸點配置	3 PST/NO DM	3 PST/NO DB
電性資料(VAC with 400 Hz)		
Contact rating	28 VDC / 115 VAC	28 VDC / 115 VAC
Resistive	25 Amps / 25 Amps	50 Amps / 50 Amps
Inductive	25 Amps / 25 Amps	50 Amps / 50 Amps
Motor	25 Amps / 25 Amps	50 Amps / 50 Amps
Lamp		
@115 VAC, 50/60 Hz, 3 ϕ		
Resistive	15 Amps	30 Amps
Inductive	15 Amps	30 Amps
Motor	7 Amps	15 Amps
Lamp		
Nominal coil voltage(s)	28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz	28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz
Resistance, $\pm 10\%$	50 Ω	50 Ω
Operate time, max. (ms)		
DC coil	20	20
AC coil	20	25
Release time, max. (ms)		
DC coil	25	25
AC coil	30	30
Bounce time max (ms)	2	2
Environmental data		
Temperature range	-70°C - 125°C	-70°C - 125°C
Mechanical data		
Weight, max	20 oz.	20 oz.
Dimensions, max (in)	3.73 * 3.305 * 2.50	3.73 * 3.305 * 2.50

AC/DC POWER CONTACTORS

50 - 60 Amps

Series	MS27750	M6106/26 and 43	MS27749
Rating	50 Amps	60 Amps	60 Amps
觸點配置	3 PST-NO 1 PST-NO DM	3 PST, 3 PDT 1 PDT-DB-DM	3 PST, 3 PDT 1 PDT-DB-DM
電性資料(VAC with 400 Hz)			
Contact rating	28 VDC / 115 VAC	28 VDC / 115 VAC	28 VDC / 115 VAC
Resistive	25 Amps / 50 Amps	50 Amps / 60 Amps	50 Amps / 60 Amps
Inductive	15 Amps / 50 Amps	20 Amps / 60 Amps	20 Amps / 60 Amps
Motor	15 Amps / 30 Amps	20 Amps / 40 Amps	20 Amps / 40 Amps
Lamp	10 Amps / 15 Amps	10 Amps / 15 Amps	10 Amps / 15 Amps
@115 VAC, 50/60 Hz, 3Ø			
Resistive	30 Amps	30 Amps	30 Amps
Inductive	30 Amps	30 Amps	30 Amps
Motor	30 Amps	30 Amps	30 Amps
Lamp			
Nominal coil voltage(s)	6, 12, 28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz	6, 12, 28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz	6, 12, 28 VDC 115 VAC, 400 Hz 115 VAC, 60 Hz
Resistance, ±10% @ 25° C for 28 VDC	6 VDC, 12Ω 12 VDC, 50Ω; 28 VDC, 200Ω	6 VDC, 12Ω 12 VDC, 50Ω 28 VDC, 200Ω	6 VDC, 12Ω 12 VDC, 50Ω 28 VDC, 200Ω
Operate time, max. (ms)			
DC coil	35	50	35
AC coil	35	50	35
Release time, max. (ms)			
DC coil	25	25	
AC coil	80	80	
Bounce time max (ms)	3	3	3
Environmental data			
Temperature range	-55°C - 71°C	-55°C - 71°C	-55°C - 71°C
Mechanical data			
Weight, max	15 oz.	14 oz.	15 oz.
Dimensions, max (in)	2.50 diameter*3.13 4.41 * 2.0 * 3.75	2.50 diameter*3.13	2.50 diameter*3.13

AC/DC POWER CONTACTORS

50 - 400 Amps

Series	MS24166、MS24171、MS24178、MS24185
Rating	50 - 400 Amps
觸點配置	1 PST/NO
電性資料(VAC with 400 Hz)	
Contact rating	28 VDC / 115 VAC
Resistive	25 Amps / 25 Amps
Inductive	25 Amps / 25 Amps
Motor	25 Amps / 25 Amps
Lamp	
@115 VAC, 50/60 Hz, 3Ø	
Resistive	50 - 400 Amps
Inductive	50 - 100 Amps
Motor	50 - 400 Amps
Lamp	
Nominal coil voltage(s)	28 VDC
Resistance, ±10%	6 VDC, 12Ω 12 VDC, 50Ω
Operate time, max. (ms)	
DC coil	
AC coil	40
Release time, max. (ms)	
DC coil	
AC coil	15
Bounce time max (ms)	
Environmental data	
Temperature range	-55°C - 71°C
Mechanical data	
Weight, max	.59 - 2.6 lbs.
Dimensions, max (in)	2.76 * 2.1 * 2.56

AC/DC POWER CONTACTORS

300 - 400 Amps

Series	M6106/33
Rating	300 - 400 Amps
觸點配置	1 PST/NO DM
style	Non-latch
電性資料(VAC with 400 Hz)	
Contact rating	28 VDC
Resistive	300 Amps
Inductive	100 Amps
Motor	250 Amps
Lamp	
Nominal coil voltage(s)	6, 12, 28 VDC
Resistance, $\pm 10\%$	6 VDC, 4 Ω 12 VDC, 15 Ω 28VDC, 60 Ω
Operate time, max. (ms)	
DC coil	35
AC coil	
Release time, max. (ms)	
DC coil	15
AC coil	
Bounce time max (ms)	4
Environmental data	
Temperature range	-55°C - 71°C
Mechanical data	
Weight, max	1.75 lbs.
Dimensions, max (in)	3.90 * 3.64 * 2.80