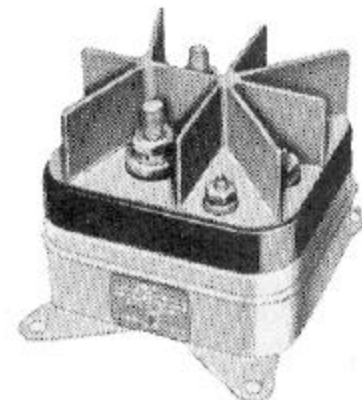
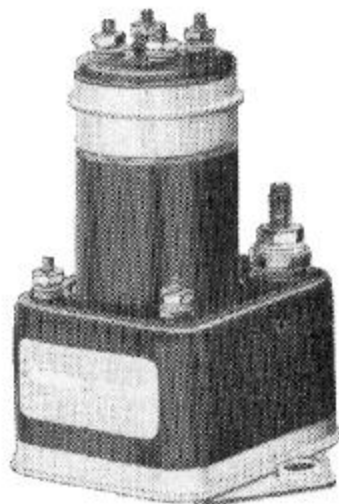
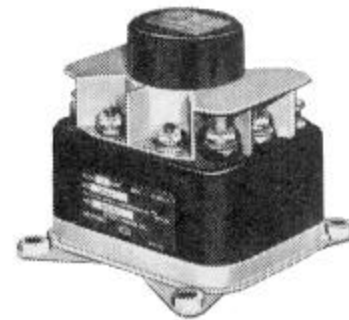
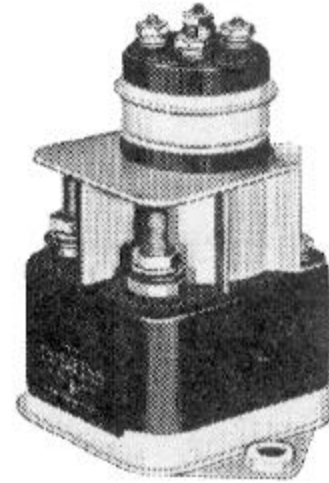


Characteristics:

- Electrical Life: 50,000 cycles (sea level to 80,000 feet)
- Mechanical Life: 10,000 cycles
- Acceleration: 15 g's
- Shock: 25 g's
- Ambient Temperature Class:
 - B -70°C to 125°C
 - D -70°C to 71°C
- Hermetically sealed / MIL-R-6106
(Stainless Steel & Fused Glass)
- Twin Break Silver Alloy Main Contacts
- Vibration Levels (Typical):

5 – 10 CPS	10 – 55 CPS	55 – 200 CPS
.08 DA	.06 DA	10 g's
250 – 500 CPS	500 – 1500 CPS	
5 g's	3 g's	



Selection Table

Catalog Number	Mil-Spec Number	Continuous Ampere Contact Rating	Poles and Throw	Operation Coil Voltage	No. Aux. Contacts 1/	Wiring Diagram Fig. Number	Temp Class Note	Term. Cover P/N	Term. Cover Mil-Spec Number			
6042H110	MS24143-D3	12	3PST	28 Vdc	1	8	B 2/	49-2661	MS27243-1			
6042H91	MS27997-D1	25			---	6	B 3/	49-3179	MS27243-6			
6042H92	MS27997-D2				1	7	B 3/	49-3179	MS27243-6			
6042H141	MS24143-D1				---	6	B	49-2661	MS27243-1			
6042H142	MS24143-D2				1	8	B	49-2661	MS27243-1			
6042H290	MS24143-A3				---	6	B	49-2661	MS27243-1			
6042H291	MS24143-A4				1	8	B	49-2261	MS27243-1			
6042H45	---	50	1PST	Built in rectifiers for 50, 60 or 400 Hertz	---	9	B	---	---			
6042H46	---				1	10	B	---	---			
6042H155	MS24140-D1				---	9	B	49-2667	MS27243-3			
6042H156	MS24140-D2				1	10	B	49-2667	MS27243-3			
6042H145	MS24376-D1		3PST	28 Vdc	---	6	B	49-2661	MS27243-1			
6042H146	MS24376-D2				1	8	B	49-2661	MS27243-1			
6042H201	MS27222-1				---	6	B 3/	49-3179	MS27243-6			
6042H202	MS27222-2				1	7	B 3/	49-3179	MS27243-6			
6042H147	MS24376-A1				---	6	B	49-2661	MS27243-1			
6042H148	MS24376-A2				1	8	B	49-2661	MS27243-1			
6042H285	MS24376-A4				---	8	B	---	---			
6042H288	MS24376-A3		1	6	B	49-2661	MS27243-1					
SM50H10	MS27222-7		Suppressed Coil 28 Vdc	1	14	B	49-3179	MS27243-6				
6042H159	MS24141-D1		100	1PST	28 Vdc	---	9	B	49-2665	MS27243-2		
6042H160	MS24141-D2	1				10	B	49-2665	MS27243-2			
6042H166	MS24182-D1	---				9	D	49-2667	MS27243-3			
6042H181	MS27242-1	---				9	B	49-3424	---			
6042H182	MS27242-2	1				10	B	49-3424	---			
6042H161	MS24168-D1	---				6	B	49-2670	MS27243-4			
6042H162	MS24168-D2	1		8	B	49-2670	MS27243-4					
6042H51	---	3PST		Built in rectifiers for 50, 60 or 400 Hertz	---	1	B	---	---			
6042H52	---				1	2	B	---	---			
6042H286	MS24168-A4				1	8	B	49-2670	MS27243-4			
6042H289	MS24168-A3				---	6	B	49-2670	MS27243-4			
6042H151	MS24142-D1				200	1PST	28 Vdc	---	9	B	49-2672	MS27243-5
6042H152	MS24142-D2							1	10	B	49-2672	MS27243-5
6042H167	MS24183-D1	---		9				D	49-2665	MS27243-2		
6042H153	MS24184-D1	300	1PST	28 Vdc	---	9	D	49-2672	MS27243-5			
6042H154	MS24184-D2				1	10	D	49-2672	MS27243-5			
SM400H2	---	400			---	9	D	49-2672	MS27243-5			
SM400H3	---				1	10	D	49-2672	MS27243-5			

Ratings

Catalog Number	Mil-Spec Number	Power Contact Ratings – Cont. Duty 6/						Coil Data											
		28 Vdc			115/200 Vac 400 Hz			Max. Coil Power		Max. Volts Pick Up At Amb. Temp	Volts								
		Amperes			Amperes			Amps	Volts		Hold	Drop Out							
		Res	Ind	Motor	Res	Ind	Motor												
6042H110	MS24143-D3	12	12	6	12	12	6	0.62	29 dc	18 dc	7 dc	1.5 dc							
6042H91	MS27997-D1							0.64											
6042H92	MS27997-D2	25	25	25	25	25	25	0.64	124ac	90 ac	40 ac	10 ac							
6042H141	MS24143-D1							0.62											
6042H142	MS24143-D2							0.62											
6042H290	MS24143-A3							0.225											
6042H291	MS24143-A4							0.225											
6042H45	---							50 4/					50 4/	35 4/	50 4/	50 4/	50 4/	0.21	
6042H46	---	0.21																	
6042H155	MS24140-D1	50	50	50	50	50	50	0.50	29 dc	18 dc	7 dc	1.5 dc							
6042H156	MS24140-D2							0.50											
6042H145	MS24376-D1							0.62											
6042H146	MS24376-D2							0.62											
6042H201	MS27222-1							0.65											
6042H202	MS27222-2							0.65											
6042H147	MS24376-A1							0.15											
6042H148	MS24376-A2							0.15											
6042H285	MS24376-A4							33					33	20	0.225	124dc	90 ac	40 ac	10 ac
6042H288	MS24376-A3							50					50	50	0.60	29 dc	18 dc	7 dc	1.5 dc
SM50H10	MS27222-7	100	100	100	100 4/	100 4/	75 4/	0.50	29 dc	18 dc	7 dc	1.5 dc							
6042H159	MS24141-D1							0.50											
6042H160	MS24141-D2							0.41											
6042H166	MS24182-D1							0.65											
6042H181	MS27242-1				0.65														
6042H182	MS27242-2				0.60														
6042H161	MS24168-D1				100	100	100	0.60											
6042H162	MS24168-D2	100	100	75	0.35	124ac	90 ac	40 ac	10 ac										
6042H51	---	100	100	75	100	100				75	0.35								
6042H52	---				100	100				75	0.25	124ac							
6042H286	MS24168-A4				50	50				43	0.25	120ac							
6042H289	MS24168-A3	100	--	75	0.25	120ac	29 dc	18 dc	7 dc	1.5 dc									
6042H151	MS24142-D1	200	100	200	200 4/	100 4/					150 4/	0.62							
6042H152	MS24142-D2				0.62														
6042H167	MS24183-D1				0.55														
6042H153	MS24184-D1	300	100	250	300 4/	100 4/					150 4/	0.62							
6042H154	MS24184-D2				0.62														
SM400H2	---				400	100	250	400 4/	---	150 4/	0.60								
SM400H3	---	400	100	250	400 4/	---	150 4/	0.60											

1/ Auxiliary switch: SPDT rated 28 Vdc and 115 V 400 Hz, 5 Amp Res. & Ind. & 0.75 Amp Lamp

2/ Rated 100,000 operations electrical and mechanical life. Auxiliary switch rated 1.25 Amp Res. & 0.75 Amp Ind

3/ Rated 50 g shock

4/ These ratings for 115 V 400 Hz

5/ See MS for details

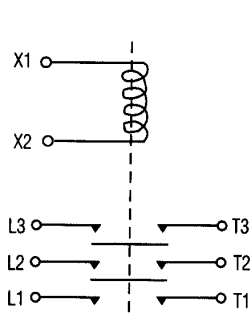
6/ Intermittent duty ratings for general applications (See Chart on next page)

Intermittent Duty Ratings:

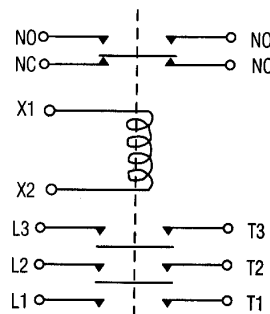
Continuous	15 Minutes	5 Minutes	1 Minute	Max. Inrush
100%	130%	150%	200%	600%

In general, these power relays can withstand the above intermittent duty over-current

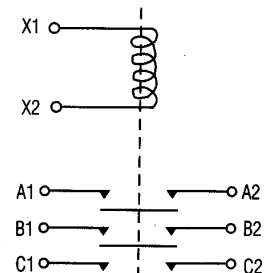
Typical Wiring Diagrams (See Selection Table for Diagram No. Reference)



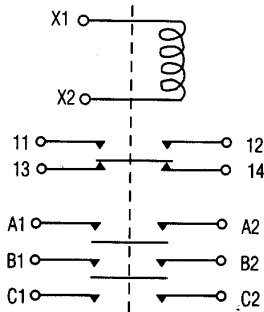
Dia. No. 1



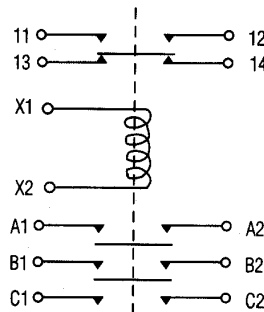
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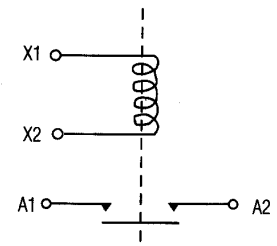
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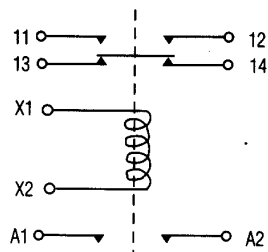
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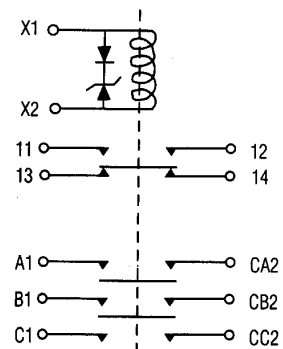
Dia. No. 8



Dia. No. 9



Dia. No. 10



Dia. No. 14