




# Lighting Control Relay Selection Guide

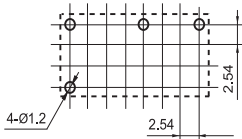
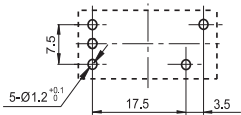
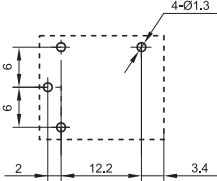
	Latching Relays		
Type	HFE60	HF163F-L	HF3F-L
Appearance			
Dimensions(L x W x H) mm	17.6 x 10.1 x 12.3	24.0 x 10.0 x 18.8	19.0 x 15.2 x 15.5

## Contact Ratings

Contact Form	1A	2A,1A+1B	1A	1A	1C
Contact Material	AgSnO <sub>2</sub>		AgSnO <sub>2</sub> /W	AgSnO <sub>2</sub>	
Electrical Endurance	Tungsten (Inrush)	1000W / 220VAC	800W / 277VAC	2200W / 230VAC	
	LED Load (Inrush)	100W / 220VAC	100W / 220VAC	200W / 220VAC	
	Electrical Ballast (Inrush)	3A / 220VAC	3A / 220VAC(W)	5A / 120VAC	
	TV Load (Inrush)	TV-3 (51A)	TV-3 (51A)	TV-10 (141A)	
	Rated resistive load	8A / 250VAC, 3 x 10 <sup>4</sup> OPS	8A / 250VAC, 5 x 10 <sup>4</sup> OPS	10A / 277VAC, 1 x 10 <sup>4</sup> OPS	







## Characteristics

Rated Voltage	3VDC to 24VDC	3VDC to 24VDC	3VDC to 24VDC
Nominal Operating Power	0.15W, 0.3W	0.2W, 0.4W	0.4W, 0.8W
Surge Voltage	1000MΩ	1000MΩ	100MΩ
Dielectric Strength (Between coil and contacts)	3000VAC	5000VAC	2000VAC
Ambient Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Operate / Release Time max.	10ms / 10ms	15ms / 15ms	8ms / 5ms
Construction	RTII,RTIII	RTII,RTIII	RTII,RTIII

Layout (Bottom view)			
Approved Standards	UL/CUL TÜV	UL/CUL VDE	UL/CUL VDE CQC

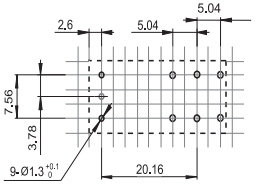
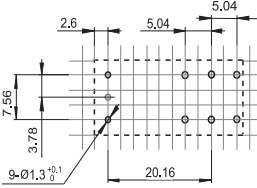
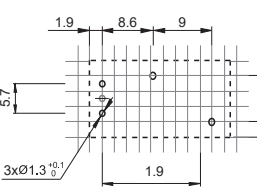
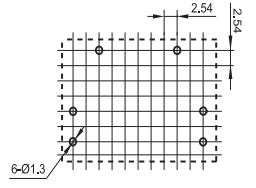
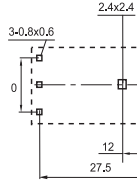
**Note:** Specification and dimensions in this catalog are subject to change without notice.



HF115F-L	HF115F-LS	HF182F-L	HFE39	HFE
		 		
29.0 x 12.7 x 15.7	29.0 x 12.7 x 15.7	22x10x14	20.0 x 30.0 x 10.2	39.0x 15.0

1A	2A	1A	1A	2A,2B,1A+1B	1A
AgSnO <sub>2</sub>		W+AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
2800W / 230VAC	800W / 277VAC	3500W / 220VAC	2200W / AC230V	10A / 220VAC	5000W /
350W / 220VAC	-	500W / 230VAC	250W / AC230V	400W / 220VAC	2500W / 2
5A120VAC	-	16A / 277VAC	16A / 277VAC	10A / 220VAC	16A / 27
TV-12 (163A)	TV-3 (51A)	TV-15 (191A)	TV-8 (117A)	TV-10 (191A)	TV-2 (226A)
16A / 250VAC, 5 x 10 <sup>4</sup> OPS	16A / 250VAC, 1 x 10 <sup>4</sup> OPS	16A / 277VAC, 5x10 <sup>4</sup> OPS	16A / 277VAC, 5x10 <sup>4</sup> OPS	20A 250VAC, 5 x 10 <sup>4</sup> ops	50A 277VAC,

3VDC to 24VDC	3VDC to 24VDC	3VDC to 24VDC	3VDC to 48VDC	6VDC to
0.4W, 0.6W	0.4W, 0.6W	0.4W, 0.8W	1W, 2W	1.5W, 3
1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000
5000VAC	5000VAC	4000VAC	4000VAC	4000V
-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to
10ms / 10ms	10ms / 10ms	10ms/10ms	15ms / 15ms	15ms /
RTII,RTIII	RTII,RTIII	RT II , RT III	RTII,RTIII	RTII,R

				
UL/CUL VDE	UL/CUL TÜV CQC	UL/CUL TÜV CQC	UL/CUL	UL/C