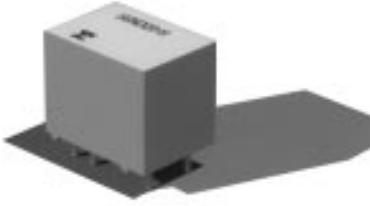

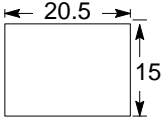



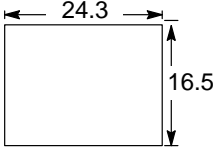
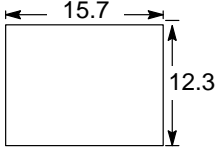




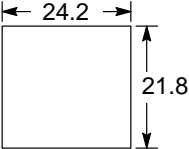
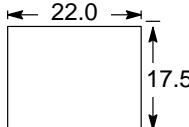
**Automotive Relays – Contact Current Rating: 10 to 30 AMPS**

Series	FBR56/57	FBR166
Figure		
Foot print (L x W) mm		
Contact arrangement	1 form C	1 form C
Contact rating	12 VDC – 30 A (FBR 56)	12 VDC, 20 A
	28 VDC – 12 A (FBR 57)	
Mechanical service life	1 x 10 <sup>7</sup> ops. or more	1 x 10 <sup>7</sup> ops. or more
Electrical service life	1 x 10 <sup>5</sup> ops. or more	1 x 10 <sup>5</sup> ops. or more
Rated coil voltage	6 to 24 VDC	6 to 24 VDC
Coil power consumption	About 0.85/1.5 W (FBR 56/57)	About 700 mW
Dimensions (width x length x height) mm	15.0 x 20.5 x 16.5	16.5 x 22.5 x 16.5


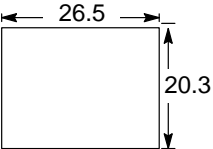
Series	FBR510/520	FBR51/52
Figure		
Foot print (L x W) mm		
Contact arrangement	1 form C x 2	1 form C
Contact rating	12 VDC – 20 A	12 VDC – 20 A
Mechanical service life	2 x 10 <sup>7</sup> ops. or more	2 x 10 <sup>7</sup> ops. or more
Electrical service life	1 x 10 <sup>5</sup> ops. or more	2 x 10 <sup>5</sup> ops. or more
Rated coil voltage	6 to 24 VDC	6 to 12 VDC
Coil power consumption	About 0.6/0.8 W (FBR 510/520)	About 0.6/0.8 W (FBR 51/52)
Dimensions (width x length x height) mm	16.5 x 24.3 x 14.5	12.3 x 15.7 x 14.0

## RELAYS

### Automotive Relays – Contact Current Rating: 10 to 30 AMPS

Series	FRL270	FBR176
Figure		
Foot print (L x W) mm		
Contact arrangement	1 form C, 1 form A	1 form C
Contact rating	12 VDC – 15, 30 A, 24 VDC – 10 A 12 VDC – 10 A, 24 VDC – 7 A	14 VDC – 20 AMP
Mechanical service life	1 x 10 <sup>7</sup> ops. or more	1 x 10 <sup>7</sup> ops. or more
Electrical service life	2.5 x 10 <sup>5</sup> ops. or more	2 x 10 <sup>5</sup> ops. or more
Rated coil voltage	12, 24 VDC	9 to 12 VDC
Coil power consumption	1700 mW, 600 mW	About 600 mW
Dimensions (width x length x height) mm	21.8 x 24.2 x 19.7	17.5 x 22.0 x 16.5

### Automotive Relays – Contact Current Rating: 10 to 30 AMPS

Series	FBR560/570
Figure	
Foot print (L x W) mm	
Contact arrangement	1 form C x 2
Contact rating	12 VDC – 30 A (FBR 560) 28 VDC – 12 A (FBR 570)
Mechanical service life	1 x 10 <sup>7</sup> ops. or more
Electrical service life	1 x 10 <sup>5</sup> ops. or more
Rated coil voltage	6 to 24 VDC
Coil power consumption	About 0.85/1.5 W (FBR 560/570)
Dimensions (width x length x height) mm	20.3 x 26.5 x 16.5