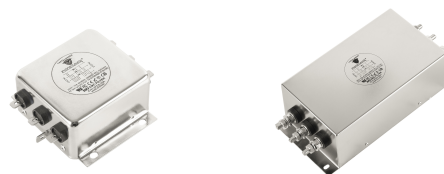


ZZYH-3F系列三相三线EMI电源滤波器

ZYH-3F series three phases three wires EMI filter

## ZYH-3F系列 : ZYH-3F Series



## ZYH-3F系列 : ZYH-3F Series

### 特点和应用: Features and Applications

应用于380/440Vac三相三线连接的各类电源电子设备

Apply in various electronic equipments

同等功率下相对较小的体积

Relative small volume at equal power

主要用来抑制工业电网通过电源线对设备的电磁干扰

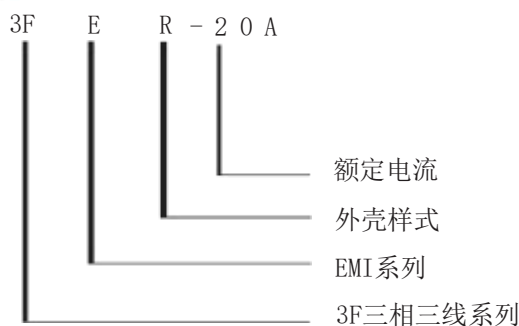
Mainly used to suppress the EMI to the

equipment in industrial power net

对线—线和线—地间干扰具有优良的抑制能力

Provide high performance of effectively suppressing EMI both in line-to-line and line-to-ground

### 订购信息: Ordering Information



### 可选型号: Available Part Numbers

| 型号<br>Type | 额定电流范围<br>Rated Current<br>(A) | 绝缘电阻<br>Insulation Resistance<br>(MΩ) | 端接方式<br>Terminal |
|------------|--------------------------------|---------------------------------------|------------------|
| ZYH-       |                                |                                       | 入 Input 出 Output |
| 3FES       | 3-30                           | ≥ 1500                                |                  |
| 3FER       | 10-30                          | ≥ 1500                                |                  |
| 3FED       | 30-50                          | ≥ 1500                                |                  |
| 3FEY       | 40-60                          | ≥ 1500                                |                  |
| 3FEU       | 50-80                          | ≥ 1500                                |                  |
| 3FEJ       | 80-200                         | ≥ 1500                                |                  |
| 3FET       | 200-1000                       | ≥ 1500                                |                  |

### 规格: Specifications

每条线路对地的最大泄漏电流:

Maximum leakage current each Line to Ground:

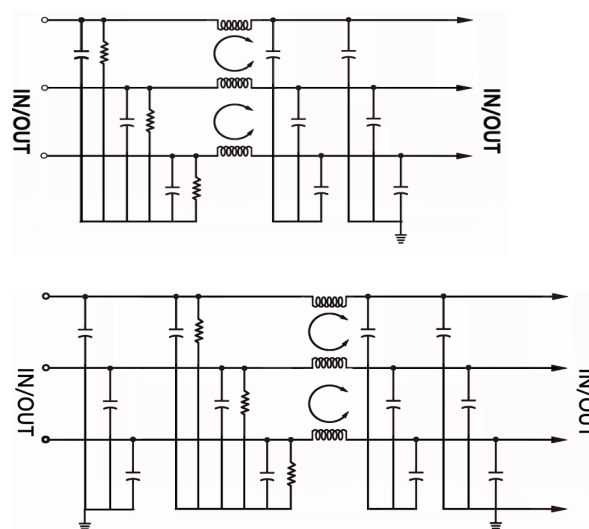
|                | 3FES   | 3FER   | 3FED   | 3FEY   |
|----------------|--------|--------|--------|--------|
| @380VAC 60Hz:  | ≤1.5mA | ≤2.0mA | ≤2.5mA | ≤2.5mA |
| @440VAC 50 Hz: | ≤2.0mA | ≤2.5mA | ≤3.0mA | ≤3.0mA |
|                | 3FEU   | 3FEJ   | 3FET   |        |
| @380VAC 60Hz:  | ≤4.0mA | ≤6.5mA | ≤8.5mA |        |
| @440VAC 50 Hz: | ≤4.5mA | ≤7.0mA | ≤9.0mA |        |

### Hipot额定值 (一分钟):

### Hipot rating (one minute):

|                       |               |
|-----------------------|---------------|
| 线路对地:                 | 1800VAC       |
| Line to Ground:       |               |
| 线对线:                  | 1500VDC       |
| Line to Line:         |               |
| 工作电压:                 | 380VAC/440VAC |
| Rated Voltage (max.): |               |
| 工作频率:                 | 50/60HZ       |
| Operating Frequency:  |               |
| 额定电流:                 | 1-1000A       |
| Rated Current:        |               |
| 气候类别:                 | 25/085/21     |
| Climatic Category:    |               |

### 电路原理图 Electrical Schematics

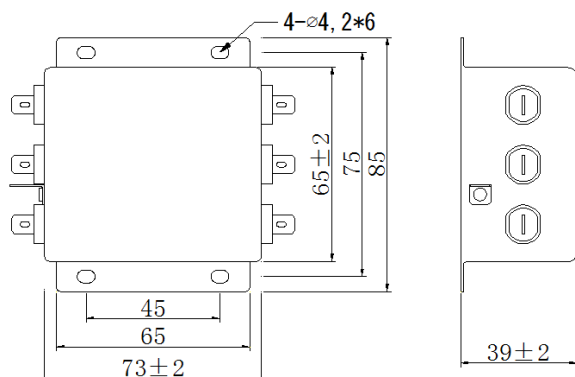


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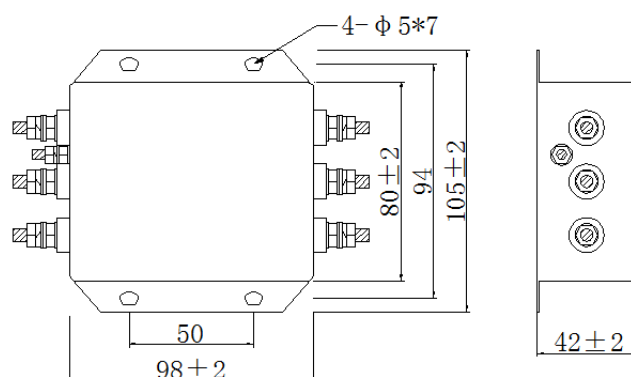
## ZYH-3F系列 : ZYH-3F Series

### 外壳样式: Case Styles

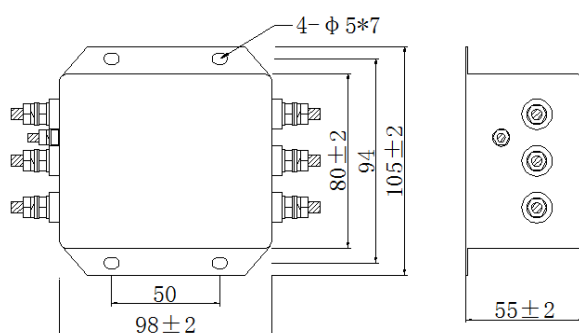
#### 3FES外壳样式: 3FES Case Styles



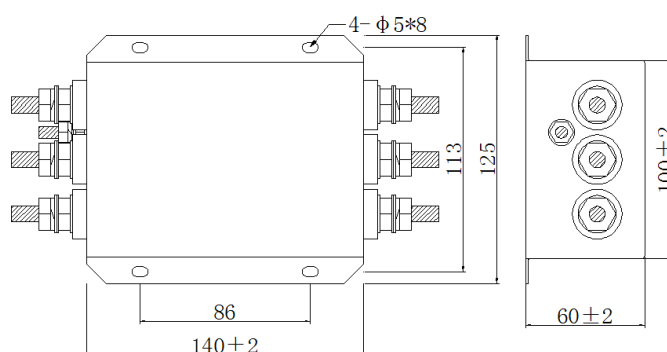
#### 3FER外壳样式: 3FER Case Styles



#### 3FED外壳样式: 3FED Case Styles

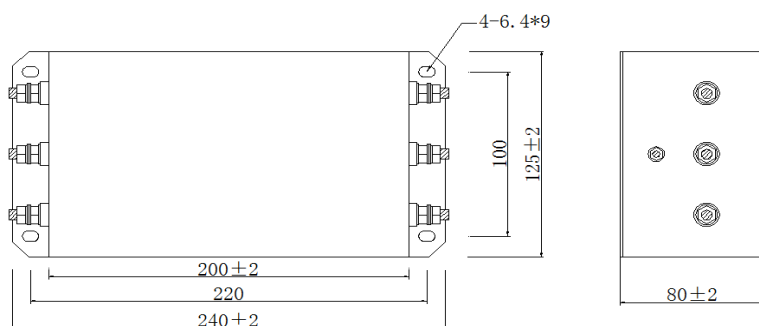


#### 3FEY外壳样式: 3FEY Case Styles



#### 3FEU外壳样式: 3FEU Case Styles

##### 样式1: Case Styles one

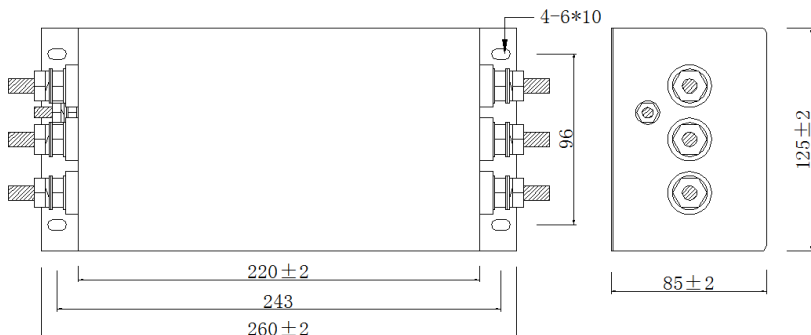


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## ZYH-3F系列 : ZYH-3F Series

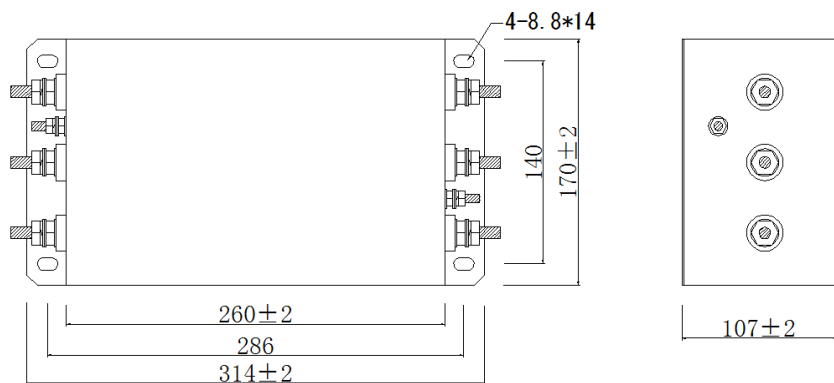
3FEU外壳样式: 3FEU Case Styles

样式2: Case Styles Two

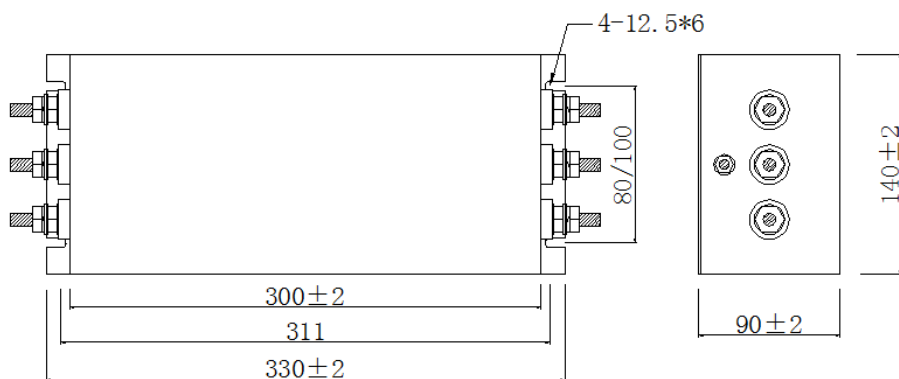


3FEJ外壳样式: 3FEJ Case Styles

样式1: Case Styles one



样式2: Case Styles Two

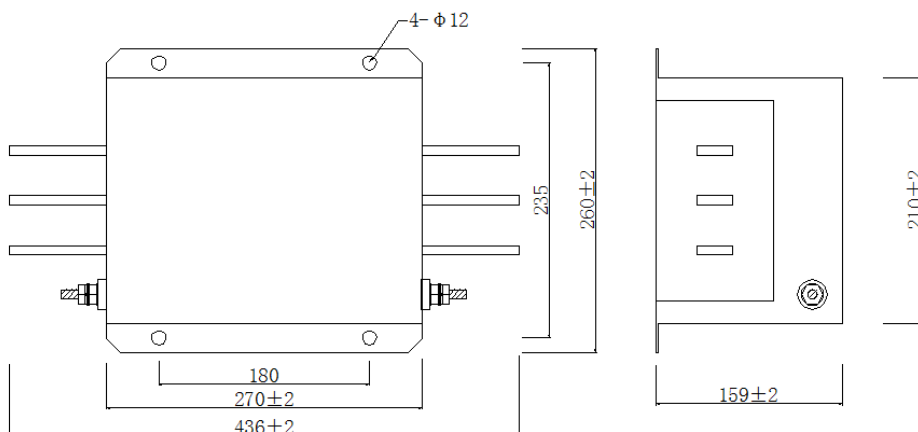


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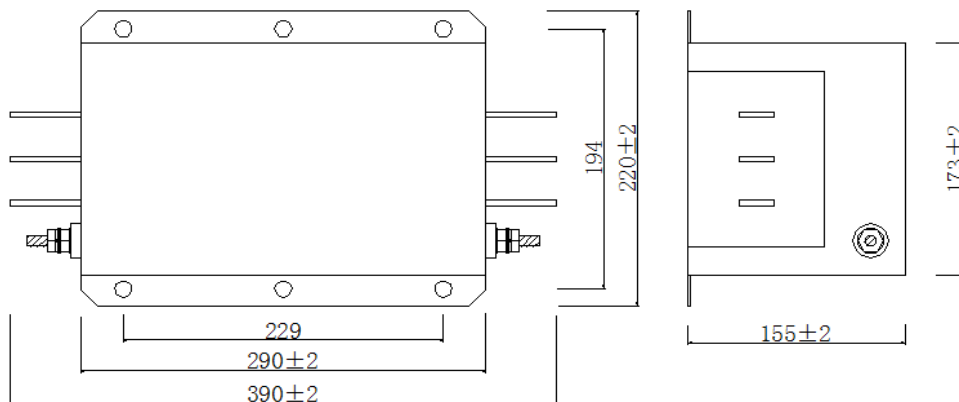
## ZYH-3F系列 : ZYH-3F Series

3FET外壳样式: 3FET Case Styles

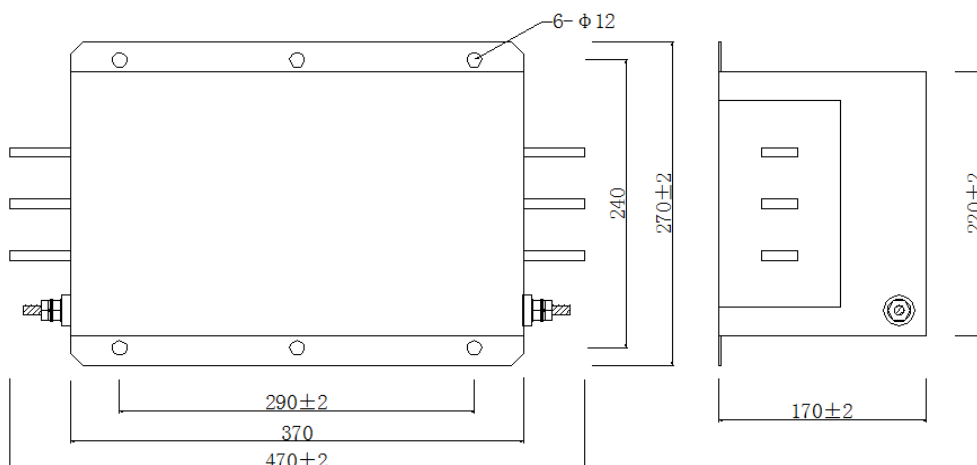
样式1: Case Styles One



样式2: Case Styles Two



样式3: Case Styles Three



ZZYH-3F系列三相三线EMI电源滤波器

ZYH-3F series three phases three wires EMI filter

## ZYH-3F系列 : ZYH-3F Series

### 性能参数

#### Performance Data

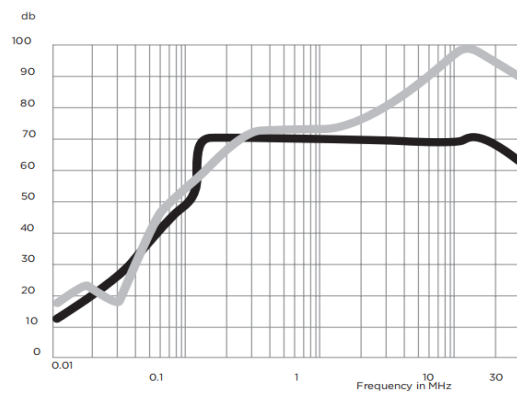
典型插入损耗

typical Insertion Loss

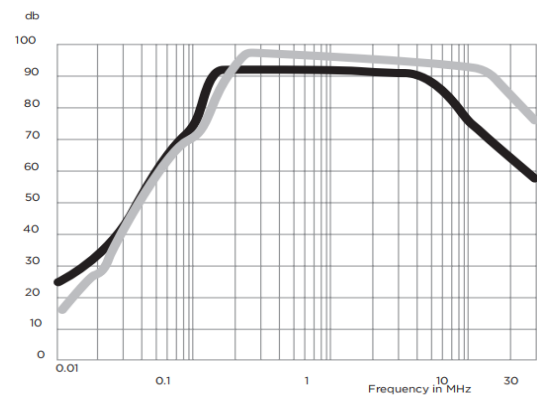
在封闭的50欧姆系统中测量

Measured in closed 50 Ohm system

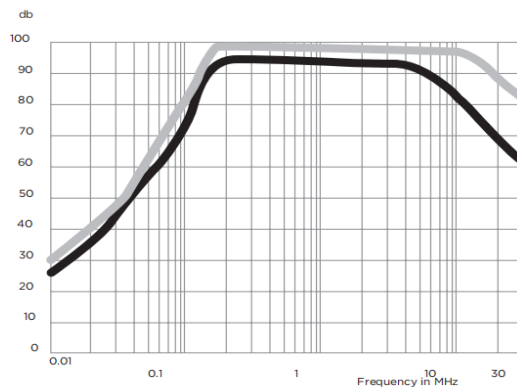
3A



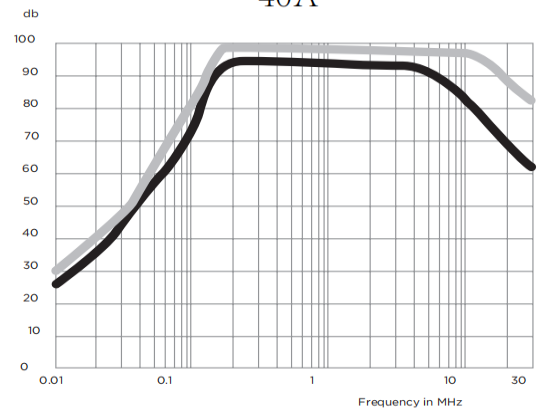
10A



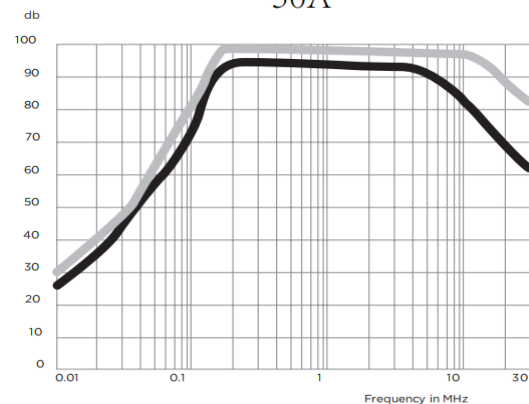
30A



40A



50A



ZYH-3F系列三相三线EMI电源滤波器

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## ZYH-3F系列 : ZYH-3F Series

### 性能参数

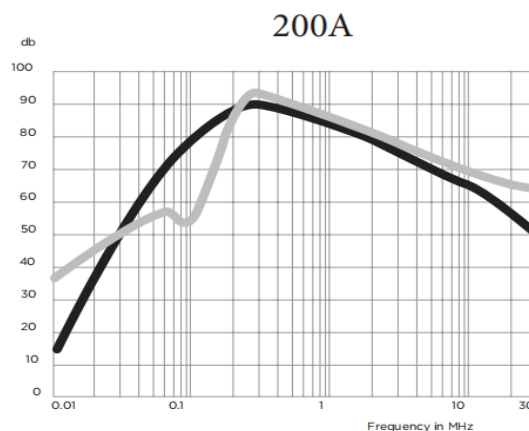
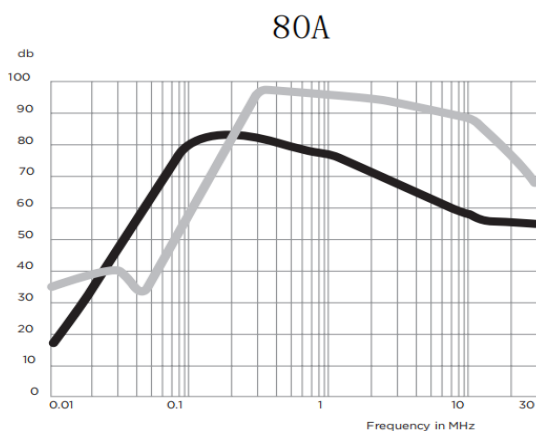
#### Performance Data

典型插入损耗

Typical Insertion Loss

在封闭的50欧姆系统中测量

Measured in closed 50 Ohm system



### 最小插入损耗 Minimum Insertion Loss

共模/不对称 (线对地)

Common Mode / Asymmetrical (Line to Ground)

| current  | Frequency — MHz |     |    |    |    |    |    |    |
|----------|-----------------|-----|----|----|----|----|----|----|
| Part No. | .01             | .05 | .1 | .5 | 1  | 5  | 10 | 30 |
| 3A       | 14              | 23  | 29 | 56 | 52 | 48 | 45 | 33 |
| 10A      | 45              | 59  | 75 | 73 | 65 | 49 | 47 | 26 |
| 30A      | 45              | 60  | 49 | 83 | 75 | 58 | 56 | 28 |
| 40A      | 38              | 52  | 70 | 77 | 70 | 54 | 50 | 47 |
| 50A      | 34              | 49  | 67 | 76 | 70 | 59 | 58 | 37 |
| 80A      | 35              | 49  | 67 | 74 | 67 | 59 | 58 | 27 |
| 200A     | 18              | 28  | 56 | 82 | 86 | 78 | 68 | 64 |

差模/对称 (线对线)

Differential Mode / Symmetrical (Line to Line)

| current  | Frequency — MHz |     |    |    |    |    |    |    |
|----------|-----------------|-----|----|----|----|----|----|----|
| Part No. | .01             | .05 | .1 | .5 | 1  | 5  | 10 | 30 |
| 3A       | 14              | 23  | 29 | 56 | 52 | 48 | 45 | 33 |
| 10A      | 45              | 59  | 75 | 73 | 65 | 49 | 47 | 26 |
| 30A      | 45              | 60  | 49 | 83 | 75 | 58 | 56 | 28 |
| 40A      | 38              | 52  | 70 | 77 | 70 | 54 | 50 | 47 |
| 50A      | 34              | 49  | 67 | 76 | 70 | 59 | 58 | 37 |
| 80A      | 35              | 49  | 67 | 74 | 67 | 59 | 58 | 27 |
| 200A     | 18              | 28  | 56 | 82 | 86 | 78 | 68 | 64 |