

ZYH-4F系列三相四线EMI电源滤波器

ZYH-4F series three phases three wires high insertion loss EMI filter

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特点和应用：Features and Applications

应用于380/440Vac三相四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

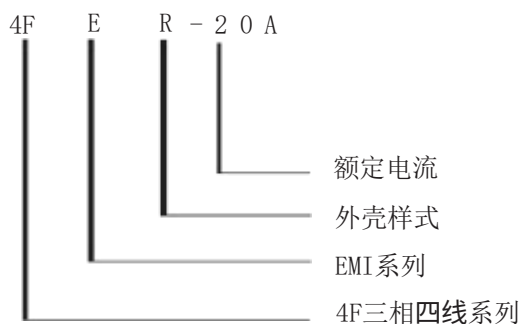
Mainly used to suppress the EMI to the

equipment in industrial power net

对线一线和线一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 Type ZYH-	额定电流范围 Rated Current (A)	绝缘电阻 Insulation Resistance (MΩ)	端接方式 Terminal	
			入Input	出Output
4FES	3-20	≥1500		
4FER	10-30	≥1500		
4FED	20-40	≥1500		
4FEY	40-50	≥1500		
4FEU	50-80	≥1500		
4FEJ	80-200	≥1500		

规格：Specifications

每条线路对地的最大泄漏电流:

Maximum leakage current each Line to Ground:

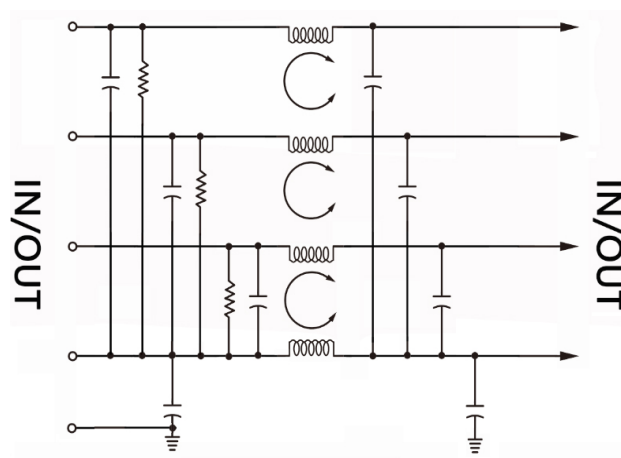
	4FES	4FER	4FED	4FEY
@380VAC 60Hz:	≤1.0mA	≤1.3mA	≤2.2mA	≤2.7mA
@440VAC 50 Hz:	≤1.2mA	≤1.5mA	≤2.5mA	≤3.0mA
	4FEU	4FEJ		
@380VAC 60Hz:	≤3.7mA	≤6.0mA		
@440VAC 50 Hz:	≤4.0mA	≤6.5mA		

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 Arequency:	
额定电流:	1-200A
Rated Current:	
气候类别:	25/085/21
Climatic Category:	

电路原理图 Electrical Schematics



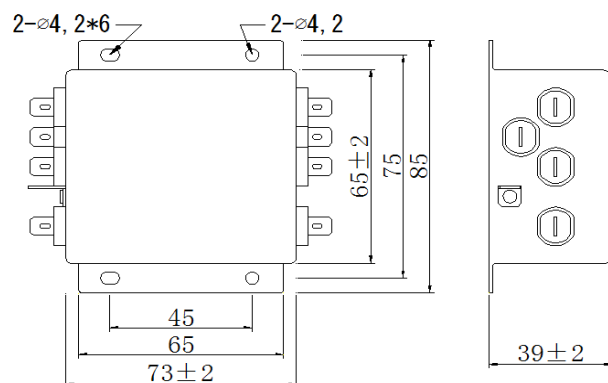
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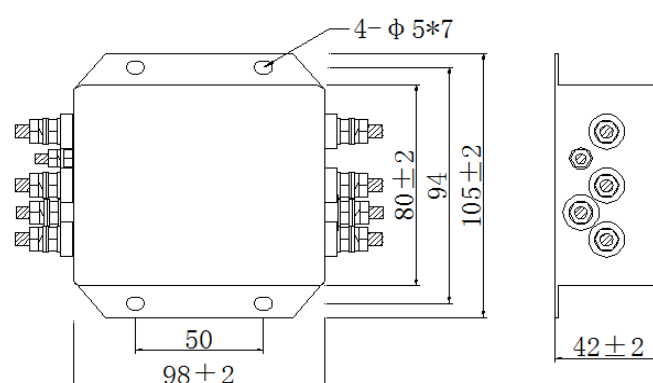
ZYH-4F系列：ZYH-4F Series

外壳样式：Case Styles

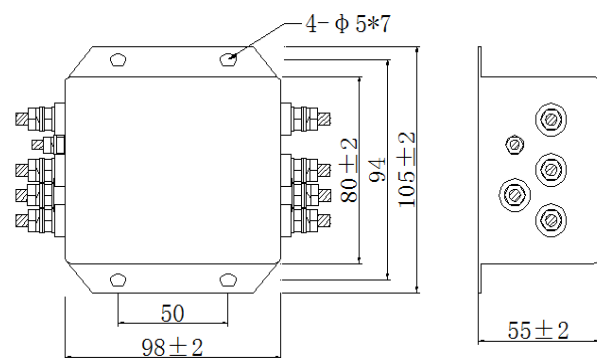
4FES外壳样式：4FES Case Styles



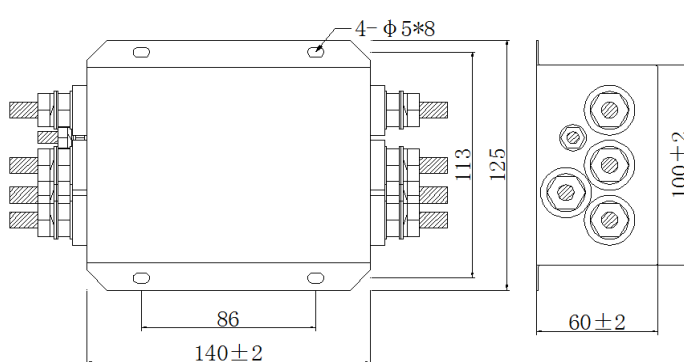
4FER外壳样式：4FER Case Styles



4FED外壳样式：4FED Case Styles



4FEY外壳样式：4FEY Case Styles



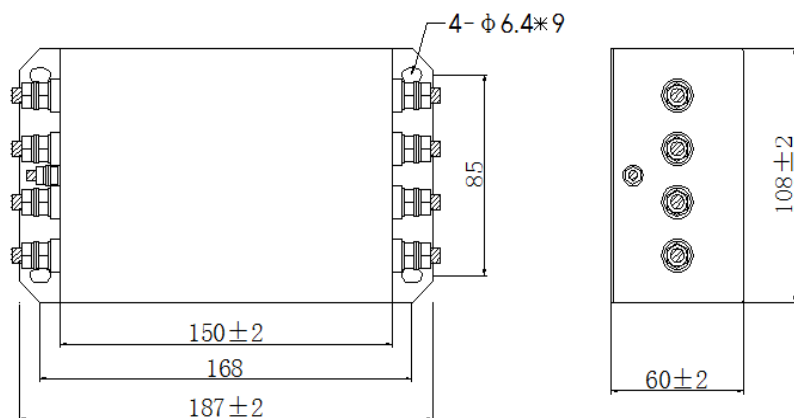
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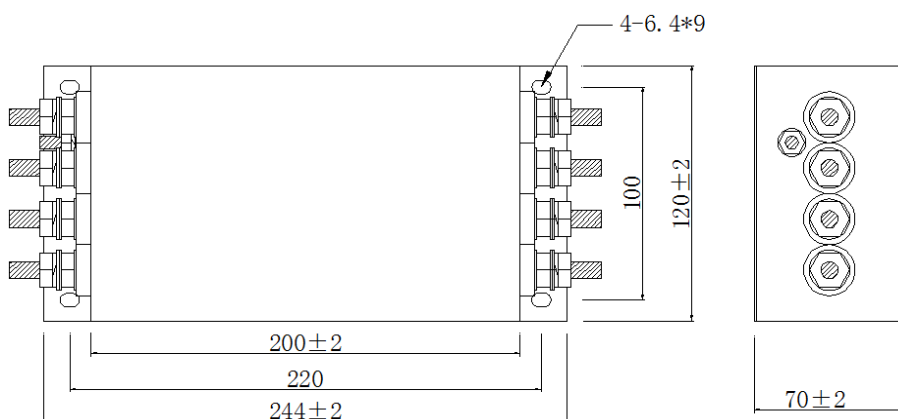
4FEU外壳样式：4FEU Case Styles

样式1：Case Styles one



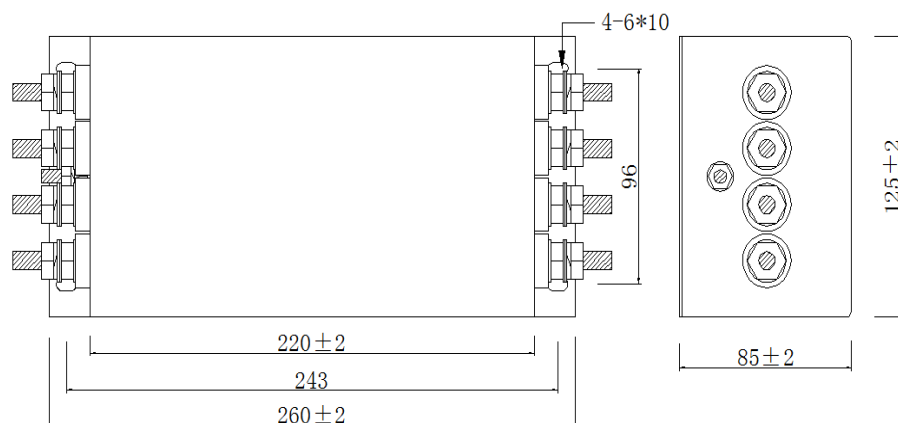
4FEU外壳样式：4FEU Case Styles

样式2：Case Styles Two



4FEU外壳样式：4FEU Case Styles

样式3：Case Styles Three

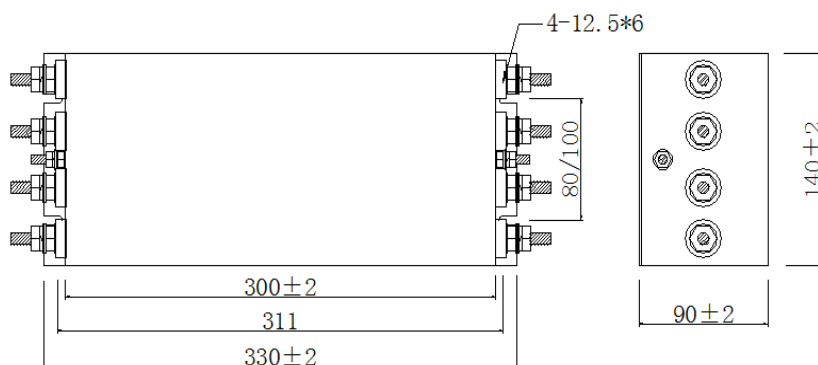


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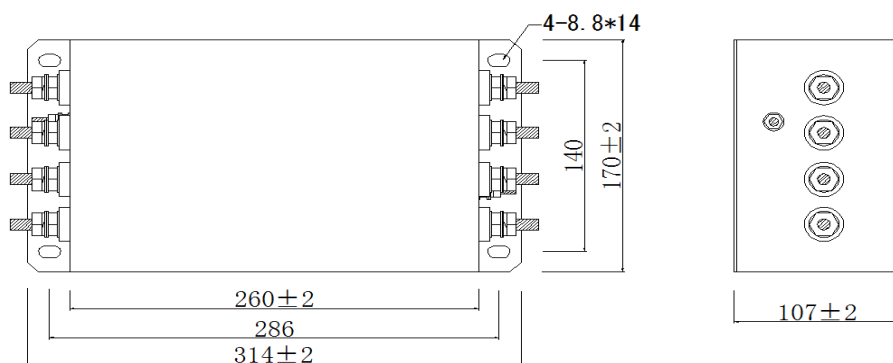
4FEJ外壳样式：4FEJ Case Styles

样式1：Case Styles one



4FEJ外壳样式：4FEJ Case Styles

样式2：Case Styles Two



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性能参数

Performance Data

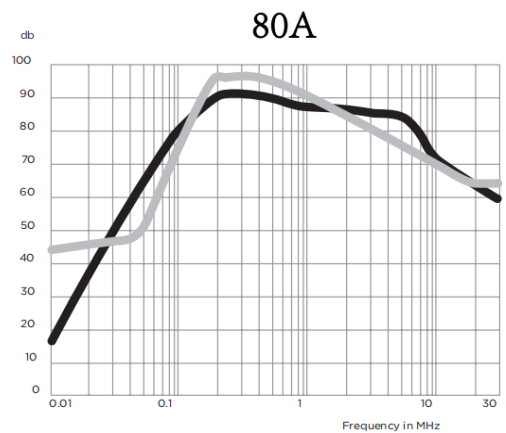
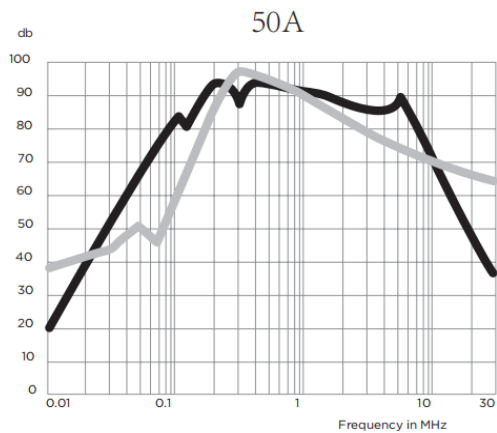
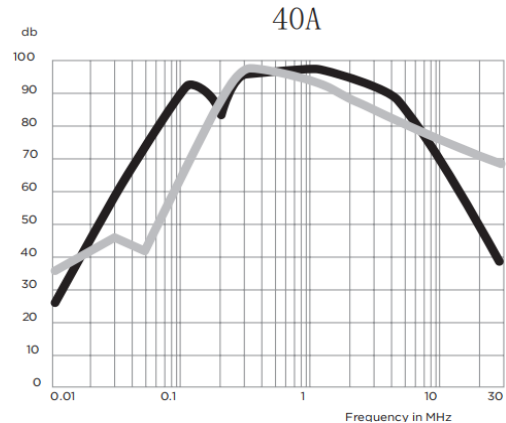
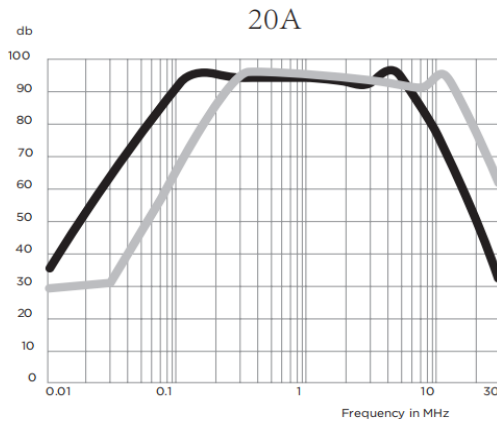
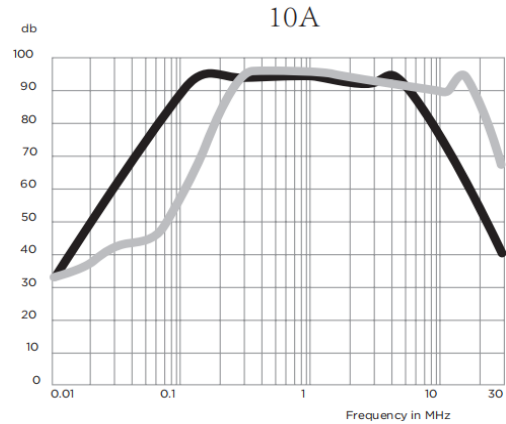
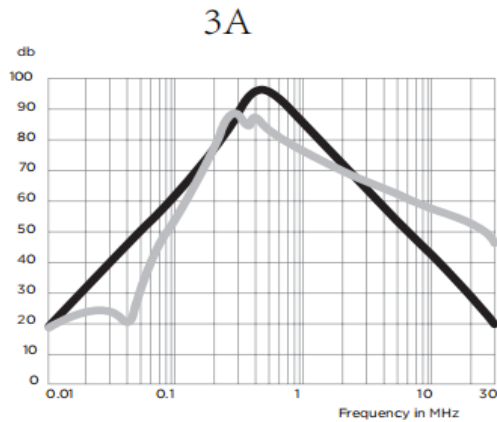
典型插入损耗

typical Insertion Loss

在封闭的50欧姆系统中测量

Measured in closed 50 Ohm system

 共模/不对称 (L-G)
 Common Mode / Asymmetrical (L-G)
 差模/对称 (L-L)
 Differential Mode / Symmetrical (L-L)



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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	18	28	40	68	79	62	65	48
10A	35	66	82	88	82	79	55	69
20A	39	68	83	93	88	68	45	69
40A	36	61	78	96	91	71	49	63
50A	39	68	83	93	88	68	45	04
80A	42	48	70	96	90	80	69	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	18	38	58	83	90	65	45	18
10A	26	58	88	94	96	92	69	38
20A	27	60	90	94	96	92	70	40
40A	27	58	88	96	98	92	68	38
50A	20	50	80	88	91	86	70	35
80A	18	49	80	89	88	87	71	58