

YFM2E系列塑料外壳式断路器（电子式）

YFM2E Series Plastic Shell Circuit Breaker (Electronic)



适用范围 Scope of Application

YFM2E系列塑料外壳式断路器，可使线路和电源设备免受过载、短路、接地等故障危害。本系列控制器具有性能稳定、精确可靠、体积小巧、结构紧凑、设计合理、经济适用等特点。还具有通讯接口，具备了现场总线的通讯功能，可与计算机联网通讯，实现遥控、遥测、遥调、遥信功能。

参照执行标准：

IEC 60947-1及GB/T 14048. 1总则

IEC 60947-2及GB14048. 2-2008低压断路器及附录F带电子过电流保护断路器的附加要求

IEC60947附录F的电磁兼容要求

IEC60947-4及GB14048. 4接触器和电动机起动器

YFM2E series plastic case circuit breakers protect lines and power equipment from overload, short circuit, ground and other faults. This series controller has the characteristics of stable performance, accurate and reliable, compact size, compact structure, reasonable design and economical application. Also has a communication interface, with the field bus communication function, can communicate with the computer network, remote control, telemetry, remote adjustment, remote communication functions.

Refer to the implementation standard:

IEC 60947-1 and GB/T 14048.1 General

IEC 60947-2 and GB14048.2-2008 low-voltage circuit breakers and Appendix F Additional requirements for breakers with electronic overcurrent protection

IEC60947 Annex F electromagnetic compatibility requirements

IEC60947-4 and GB14048.4 contactors and motor starters

技术参数 Technical Parameter

• 额定参数

- 1、额定电压：380V/220V 三相四线
- 2、额定频率：50Hz
- 3、壳架等级电流：125A, 250A, 400A, 630A, 800A

• 工作环境

- 1、正常工作环境温度为-5° C~+50° C，24小时平均值不超过45° C
- 2、空气的相对湿度不超过 100 %
- 3、污染等级：3级
- 4、安装类别：III

• Rated parameter

- 1, Rated voltage: 380V/220V three-phase four-wire.
- 2, rated frequency: 50Hz
- 3, shell and frame grade current: 125A,250A,400A,630A,800A.

Working environment

- 1, the normal working environment temperature is -5°C~+50°C, the 24-hour average does not exceed 45°C.
- 2, the relative humidity of the air does not exceed 100 % .
3. Pollution level: Level 3. 4, installation category: III

• 产品配置信息

Product configuration information

壳架电流 Frame current	额定电流 Rated current	互感器 Mutual inductor	执行机构 Executive mechanism
125A	32A	32A	125A
	63A	63A	
	125A	125A	
250A	250A	250A	250A
400A	400A	400A	400A
630A,800A	630A	630A	630A,800A
	800A	800A	

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• 功能型号分类

Functional model classification

项目 Item	功能描述 Function description	型号分类 Type classification			
		普通型 Common type			通讯型 Communication type
		M（普通）	ML（漏电）	MG（接地）	E
面板 Panel	旋钮 knob	√	√	√	√
	无旋钮 No knob				√
功能 Feature	过载长延时保护 Overload long delay protection	√	√	√	√
	短路短延时保护 Short circuit delay protection	√	√	√	√
	短路瞬时保护 Short circuit instantaneous protection	√	√	√	√
	接地保护 Ground protection			√	√
	过载预报警 Overload pre-alarm	√	√	√	√
	过负载热记忆 Overloading heat memory	√	√	√	√
	短路短延时热记忆 Short circuit short delay thermal memory	√	√	√	√
	剩余电流保护 Residual current protection		√		√
	电流LED指示功能 Current LED indicator function	√	√	√	√
	分励功能 Shunt excitation function	√	√	√	√
	通讯功能 Communication function				√

外形及安装尺寸 Outline and mounting dimensions

型号 Model number	外形尺寸 Overall dimension										安装尺寸 Mounting dimension			
			板前接线 Front wiring											
	W		L	H	W1	L1	H1	H2	H3	L2	A		B	Φd
3P		4P									3P	4P		
YFM2E-125	92	122	150	87	60	255	110	24	24	134	30	60	129	4
YFM2E-250	105	142	165	95	70	365	110	24	24	144	35	70	126	5
YFM2E-400	150	198	257	112	87	457	150	44	44	225	47	94	194	7
YFM2E-630	180		270	112	116	370	150	44	44	234	58	116	200	7
YFM2E-630-800	210	280	280	121	140	480	155	44	44	243	70	140	243	7.5

