1 产品概述 Product Summarize

GL-10系列过流继电器具有反时限特性，应用于电机、变压器等主设备以及输配电系统的继电保护回路中。当主设备或输配电系统出现过负荷及短路故障时，该继电器能按预定时限可靠动作或发出信号。

继电器的工作原理是复合式的，由公用一个线圈的感应式和电磁式的两个元件组成。

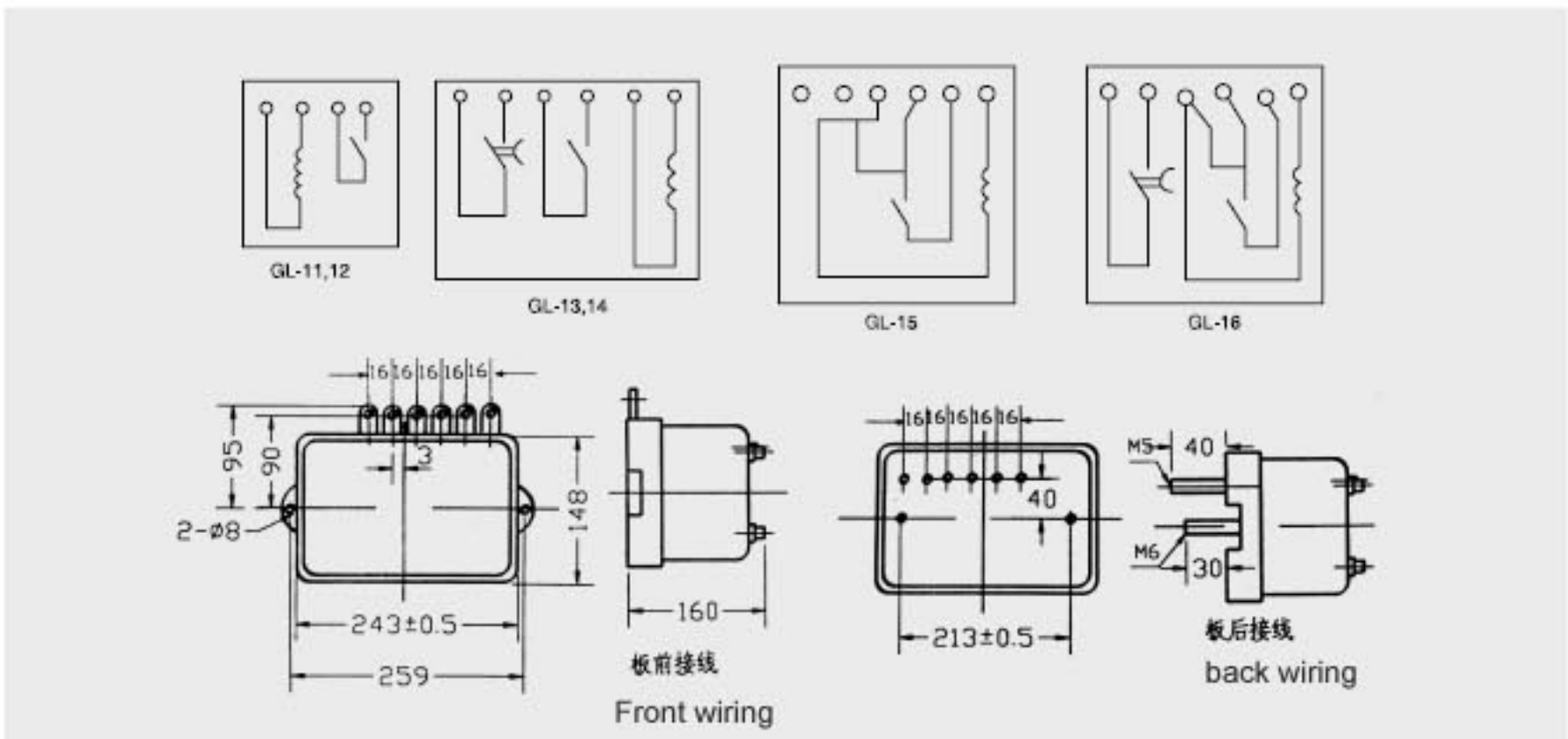
GL-11,12型继电器具有一副动合主触点。GL-15,16型继电器具一副过渡转换主触点，保证了在继电器的动作过程中，电流互感器的二次回路不开路。GL-13,14,16型继电器除主触点外，还有一副延时信号触点。

GL-10 series over-current relays have characteristic of inverse time, are applying for relay protective loop of main equipment such as generator, transformer and transmission and distribution system. When the main equipment or transmission and distribution system comes up overload or short circuit fault, this series can operate reliably or send signal as arranged.

The operational principle of this relay is of compound type. It is composed by two inductive and electromagnetic elements sharing same coil.

GL-11, 12 type relays have one front contact. GL-15, 16 type relays have one transitional conversion contact so as to provide secondary loop of current transformer would not open circuit in the operating process of the relay. GL-13, 14, 16 type relays have a delaying signal contact besides main contact.

2 主要技术参数 Main Technological Parameter

型号 Type			GL-11~16	
额定电流(A) Rated current (A)			5或10 5 or 10	
整定值 Setting value	Inductive element setting current 感应元件整定电流	(In=5A时)(A) (In=5A)(A)	2,2.5,3,3.5,4,4.5,5	
		(In=10A时)(A) (In=10A)(A)	4,5,6,7,8,9,10	
	动作时间(s) Operating time (s)		0.5,1,2,3,4(GL-11);2,4,8,12,16(GL-12);2,3,4(GL-13);8,12,16(GL-14);0.5,1,2,3,4(GL-15);8,12,16(GL-16)	
	瞬时电流倍数 Instantaneous current multiple		2~8	
重量(kg) Weight (kg)			≤4	
返回系数 Return coefficient			≥0.85,≥0.8	
功率消耗(VA) Power consumption (VA)			≤15	
触点形式 Contact type			1动合,1动断 1 move to match, 1 move to break	1过渡装换GL-16尚有一副动合信号触点 1 transitional conversion GL-16 has 1 pair of front signal contact
触点容量 Contact capacity			动合触点在电压220V下能接直流或交流5A，动断触点在电压220V下能断开交流2A Under voltage 220V, the front contact can connect DC or AC 5A, and under voltage 220V the move to break contact can break AC 2A.	被控电路由变流器供电，且其阻抗在电流为3.5A时，不大于4.5W,在电流不大于150A情况下，主触点可以将这个电路分流接通与分流断开 Slave circuit is supplied by converter, and when current= 3.5A, impedance≤4.5W; When current ≤ 150A, main contact can connect and break the current.
外形尺寸长×宽×高(mm) Outline size length×width×height (mm)			前接线 243 × 148 × 160; 后接线 243 × 148 × 200 Front wiring 243×148×160; Back wiring243×148×200	

3 安装开孔尺寸、接线图 Mounging plate opening size,Wiring drawing