



Fig. Control electronics with Valve Type 2834

### Design/Function 设计/功能

The control electronics Type 1094 provides a continuously variable opening cross section of the valve (Types 2821, 2832 or 2834), which is proportional to the input signal. 1094型控制器提供连续可变的阀门（2821、2832或2834型）截面开度，该开度和输入信号成比例。

The pulse width modulation with internal current control compensates for temperature and other operating conditions. 脉宽调制带对温度和其它操作条件的内部电流控制补偿。

The electronic zero-point suppression provides for valve closure and tight shut-off. The control electronics can be PLC-controlled via a standard interface. The operating voltage is provided by the power supply Type 1610.

电子零点抑制功能使阀门能关紧。控制器可通过标准接口由PLC控制。工作电压由1610型电源提供。

### Advantages/Benefits 优点/特性

- ▶ Adjustable start of opening  
可调起始开度
  - ▶ Adjustable max. opening  
可调最大开度
  - ▶ Zero-point suppression  
零点抑制
  - ▶ Adjustable ramp function  
可调上升时间功能
  - ▶ Compensation for coil heating  
线圈发热补偿
  - ▶ Monitor signal  
监控信号
  - ▶ Inputs  
输入
- |           |
|-----------|
| 0...10 V  |
| 0...20 mA |
| 4...20 mA |

### Applications 应用

Operating Data 工作参数

Design M M型设计	4 x 90° positioning on the valve (not for Type 2821) 4 × 90° 在阀上定位( 2821 除外)	Ramp time 0 - 10 s (selectable) 上升时间 ( 可选)	
Design H H型设计	suitable for DIN rail mounting 适用于导轨安装	Power consumption 功耗	0.5 W (electronic control only)
Body material 材料	plastic 塑料	Electrical connection 电气连接	version for ø 7 mm cable Φ 7mm 导线 threaded terminals inside the body 内部接线端子
Operating voltage 工作电压	24V±; max. 28 V/=	Design H H 型设计	
Residual ripple 电压波动范围	max. 10 %	Max. ambient temperature 最高环境温度	+55 °C
Input signal 输入信号	0 ... 10 V 0 ... 20 mA 4 ... 20 mA	Dimensions Design M 尺寸 M型设计	for plug-in module see dimensional drawing Type 2832, 2834 对插上式参见2832、2834 型 尺寸图
Input resistance 输入电阻	Signal R 0 - 10 V 16,8 k 0/4 - 20 mA 200	Design H H型设计	46 x 76 for EN 50 022 35 mm DIN rail only 46 × 76, 仅适用于EN 50 022 35mm DIN 导轨
Monitor signal 监控信号	in direct proportion to coil voltage 1 mV = 1 mA, as auxiliary adjustment means or for external position indication 和线圈电压成正比 1mV 电压 = 1mA 作为辅助调整手段或用于外部位置指示。	Weight 重量	Design M 0.08 kg M 型设计 Design H 0.07 kg H 型设计

Ordering Chart (Other Versions on Request) 订货表 (其它型式可按需提供)

Design 设计	Piloting of valve Types 先导阀型号	Input Signal 输入信号	Order-No. 订货号
H	2821 2832 2834	4-20 mA, 0-20 mA, 0-10 V <sup>1)</sup>	060 657 P
M	2832 2834	4-20 mA	060 644 J
M	2832 2834	0-20 mA	060 656 N
M	2832 2834	0-10 V	060 459 R

<sup>1)</sup> DIP-switch selectable 1) 可选DIP开关