



Fig. Control electronics with Valve Type 2834

Advantages/Benefits

- ▶ Adjustable start of opening
- ▶ Adjustable max. opening
- ▶ Zero-point suppression
- ▶ Adjustable ramp function
- ▶ Compensation for coil heating
- ▶ Monitor signal
- ▶ Inputs
 - 0...10 V
 - 0...20 mA
 - 4...20 mA

Design/Function

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.

The pulse width modulation with internal current control compensates for temperature and other operating conditions.

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.

Applications

bürkert
Easy Fluid Control Systems

Operating Data

Design M	4 x 90 ° positioning on the valve (not for Type 2821)	Ramp time	0 - 10 s (selectable)						
Design H	suitable for DIN rail mounting	Power consumption	0.5 W (electronic control only)						
Body material	plastic	Electrical connection Design H	version for ø 7 mm cable threaded terminals inside the body						
Operating voltage	24/±; max. 28 V/±	Max. ambient temperature	+55 °C						
Residual ripple	max. 10 %	Dimensions Design M	for plug-in module see dimensional drawing Type 2832, 2834						
Input signal	0 ... 10 V 0 ... 20 mA 4 ... 20 mA	Design H	46 x 76 for EN 50 022 35 mm DIN rail only						
Input resistance	<table border="1" style="display: inline-table; border-collapse: collapse;"> <thead> <tr> <th>Signal</th> <th>R</th> </tr> </thead> <tbody> <tr> <td>0 - 10 V</td> <td>16,8 kΩ</td> </tr> <tr> <td>0/4 - 20 mA</td> <td>200 Ω</td> </tr> </tbody> </table>	Signal	R	0 - 10 V	16,8 kΩ	0/4 - 20 mA	200 Ω	Weight	Design M 0.08 kg Design H 0.07 kg
Signal	R								
0 - 10 V	16,8 kΩ								
0/4 - 20 mA	200 Ω								
Monitor signal	in direct proportion to coil voltage 1 mV = 1 mA, as auxiliary adjustment means or for external position indication								

Ordering Chart (Other Versions on Request)

Design	Piloting of valve Types	Input Signal	Order-No.
H	2821 2832 2834	4-20 mA, 0-20 mA, 0-10 V ¹⁾	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

¹⁾ DIP-switch selectable