

Digital Electropneumatic Positioner SideControl and Digital Electropneumatic Process Controller SideControl

- Integrated PID Control (8793)
- Compact and robust design
- Easy start-up by automatic X-Tune function
- Integrated diagnostic functions for valve monitoring
- Dynamic positioning system with no air consumption in controlled state
- Available as 4-20 mADC or Ethernet I/P (with AOP), AS-i 3.0 or IO Link (with AOI)



Can be combined with yoke type actuators and rotary actuators.

CLICK ME



FOR DATA SHEETS

8791 / 8792 / 8793

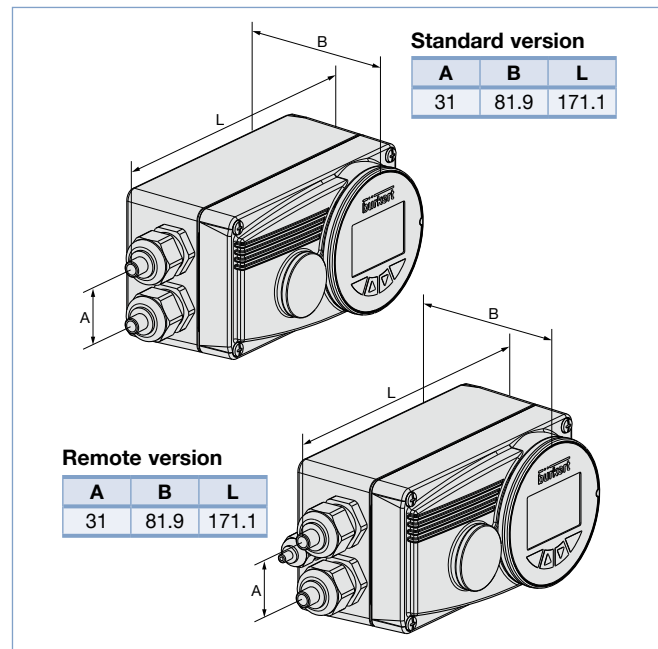
The Type 8791, 8792 and 8793 are designed to standardization acc. to IEC 60534-6-1 or VDI/VDE 3845 (IEC 60534-6-2) for assembly with linear and rotary actuators. In addition, the remote versions can be combined with Bürkert process control valves. They can be operated with the usual current and voltage standard signals and can also be equipped with the fieldbus interface. They are equipped with additional diagnostic functions to monitor the state of the valve. This allows planned maintenance and optimizes plant availability. The pilot valve system can be used equally for single and double-acting actuators.

Technical Data

Material	
Body	Aluminium plastic-coated
Seal	EPDM, NBR, FKM
Operating voltages	24 V DC ± 10 %
Residual ripple	Max. 10%
Input resistance	0/4-20 mA: 180 Ω
Analogue feedback	4-20 mA, 0-20 mA
Binary input	Galvanically isolated, 0-5 V = log "0", 10-30 V = log "1"
Binary output	Galvanically separated 100 mA
Ambient temperature	14 °F to 140 °F; -10 °C...+60 °C (no Ex-Approval)
	32 °F to 140 °F; 0 °C...+60 °C (with ATEX/IECEX-Approval)
Pilot air ports	Threaded ports G 1/4
Supply pressure	7.25-14.50 PSI (1.4...7 bar) ¹⁾²⁾

¹⁾ The supply pressure has to be 7.25-14.50 PSI above the minimum required pilot pressure for the valve actuator ²⁾ Pressure specifications: Overpressure with respect to atmospheric pressure

Envelope Dimensions [mm] (see datasheets for details)



Ordering Chart

Control function pilot valve system	Communication	Electrical connection	Analog Input 0/4-20 mA	Analog feedback (output) 0/4-20 mA	2 binary outputs	Diagnostic function 1)	PID Software	Binary input	Item no.
8791 BLIND Positioner for 1/4 turn and Yoke Syle valves, NAMUR Mount (requires adapter)									
Universal, Single and Double Acting	24VDC	M12 multipole connector	yes	yes	no	yes	no	yes	323216
	AS-I 3.0		via Bus	via Bus	via Bus	yes	no	yes	239617
	IO Link, Class B		via Bus	via Bus	via Bus	yes	no	yes	323207
	IO Link, Class A		via Bus	via Bus	via Bus	yes	no	yes	20032774
8792 DISPLAY Positioner for 1/4 turn and Yoke Syle valves, NAMUR Mount (requires adapter)									
Universal, Single and Double Acting	24VDC	M12 multipole connector	yes	no	yes	yes	no	yes	317989
	24VDC		yes	yes	yes	yes	no	yes	317990
	EtherNet/IP		via Bus	via Bus	via Bus	yes	no	yes	317933
8793 DISPLAY Controller for 1/4 turn and Yoke Syle valves, NAMUR Mount (requires adapter)									
Universal, Single and Double Acting	24VDC	M12 multipole connector	yes	yes	yes	yes	yes	yes	317980
	EtherNet/IP		via Bus	via Bus	via Bus	yes	yes	yes	317931