

Ordering information for valve system Continuous Classic Type 8802-YC

A valve system Continuous Classic Type 8802-YC consists of an angle-seat control valve Type 2702 and a digital electropneumatic positioner Type 8692, a digital electropneumatic process controller Type 8693, a digital electropneumatic positioner Basic Type 8694, an electropneumatic positioner Type 8792/8793 (below), a valve actuation system TopControl Type 8630 or SideControl Type 8635 (next page) (see separate datasheets).

You order two components and receive a complete assembled and certified valve.

Click on the orange box "More info." below... you will come to our website for the resp. product where you can download the datasheet.

Ordering the valve system Continuous Classic Type 8802-YC

Angle-seat control valve
Type 2702



Positioner



Positioner Type 8692
Process Controller Type 8693



Positioner Basic Type 8694



8798 position feedback



Positioner Type 8792/
Process Controller Type 8793



Angle-seat control valve
with desired control unit



Valve system
Continuous Classic
Type 8802-YC-I
2702 + 8692 /
Type 8802-YC-J
2702 + 8693

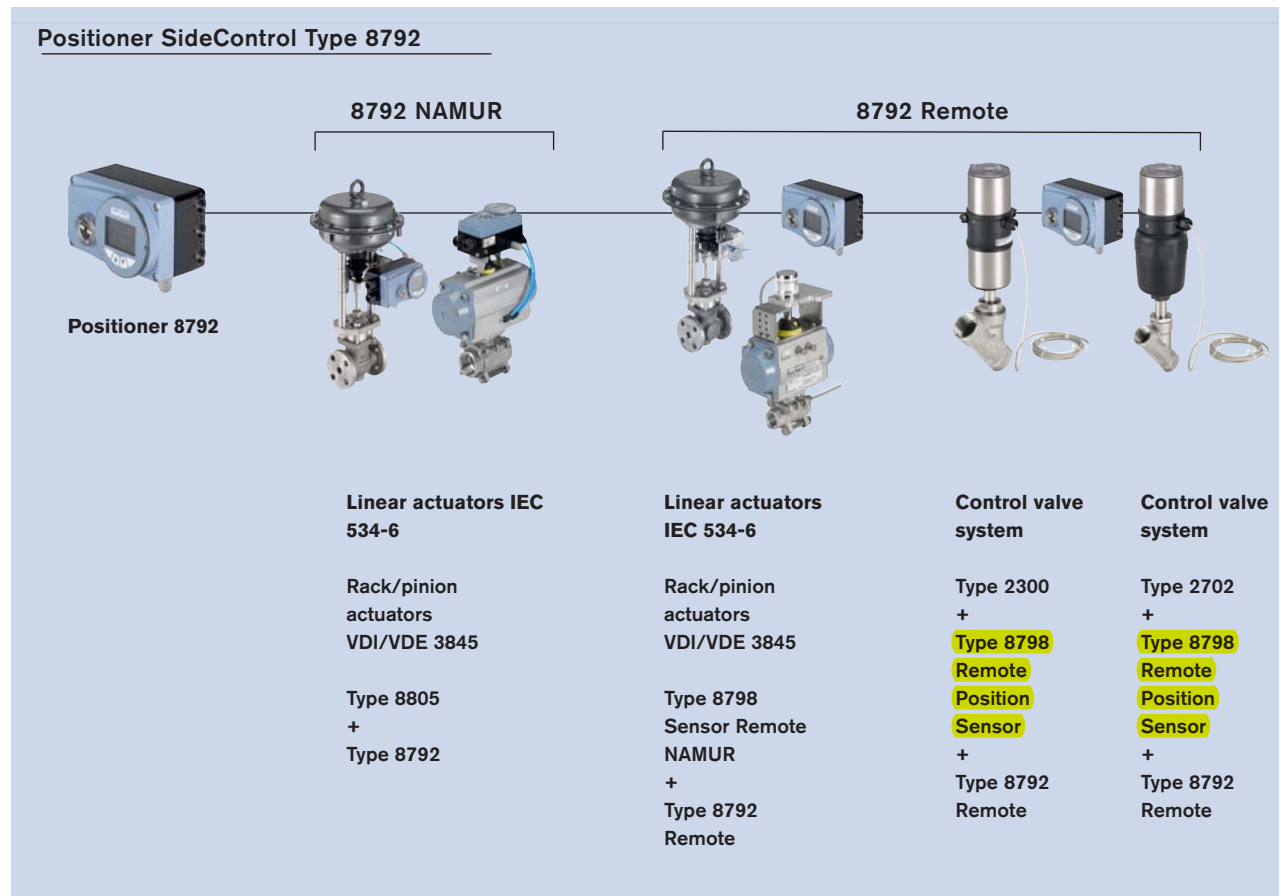


Valve system
Continuous Classic
Type 8802-YC-L
2702 + 8694



Valve system
Continuous Classic
Type 8802-YC-P
2702 + 8792 /
Type 8802-YC-Q
2702 + 8793

Example of assembly variations of Positioner SideControl



Assembly options *continued*

Remote version, Type 8798

(Remote positioner from actuator with displacement position sensor)



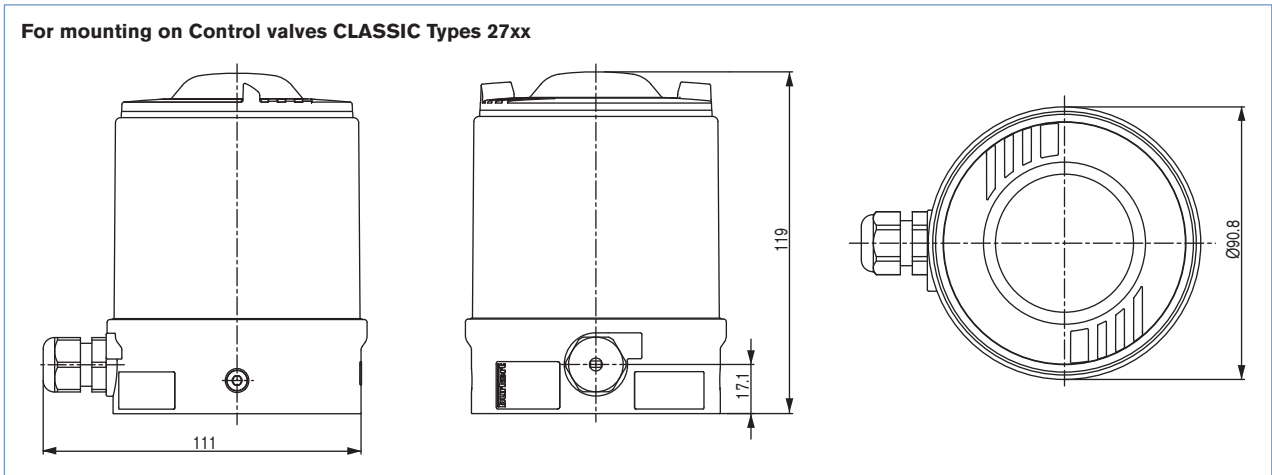
Item no.	
Remote Position Sensor	
Control valves CLASSIC Types 27xx	211 535
Control valves ELEMENT Types 23xx	212 360



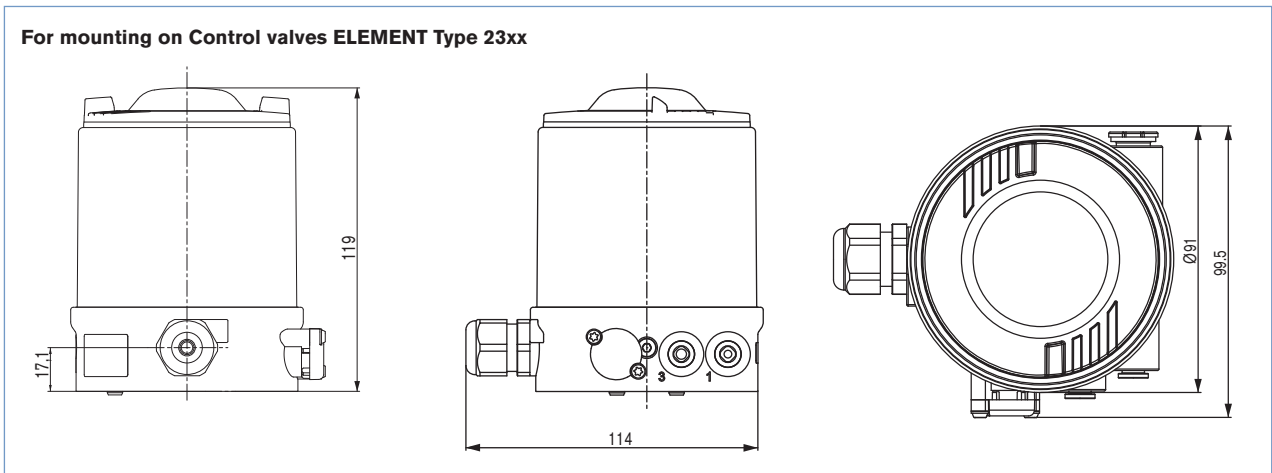
Item no.	
Remote Position Sensor	
NAMUR	211 536

Dimensions


For mounting on Control valves CLASSIC Types 27xx



For mounting on Control valves ELEMENT Type 23xx



Technical data, continued

Technical data	
Type of protection	IP65/IP67 acc. to EN 60529, Type 4X acc. to NEMA 250 standard
Power consumption	< 5 W
Electrical connection	M12, 8-pin/4-pin; M8, 4-pin
Cable gland	2xM20x1.5 (cable Ø 10 mm) on screw terminals (0.14-1.5 mm ²)
Remote version	1xM12x1.5 (cable Ø 3 to 6.5 mm)
Bus communication	Profibus DPV1 or DeviceNet
Protection class	3 acc. to DIN EN 61140
Type of ignition protection	II 3 G nA II B T4 II 3 D tD A22 T135°
Conformity	EMC directive 2014/30/EU
CSA approval information	Class 3221 82-VALVES - Actuators - Certified to US standards Class 3221 02-VALVES - Actuators
Considered standards	CAN/CSA-C22 2 No. 139 UL 429
CSA trademark	

Technical data - Linear Remote Position Sensor (ELEMENT)	
Electrical connection	1xM16x1.5 (cable Ø 5-10 mm) on terminal screws (0.14-1.5 mm ²)
Cable gland	10 m
Connection cable length	10 m
Operating voltage	24 V DC ± 10 %
Power consumption	< 0.3 W
Sensor measurement range	3 to 45 mm (Stroke range valve spindle)
Actual position signal	digital (RS485)
Ambient temperature	-25 to +80 °C
Protection class	3 acc. to DIN EN 61140
Type of protection	IP65 and IP67 acc. to EN 60529, Type 4X acc. to NEMA 250 standard
Type of Ignition protection	II 3D Ex tc IIIC T135 °C Dc II 3G Ex nA IIC T4 Gc
Conformity	EMC directive 2014/30/EU
Approvals	cCSAus, cULus Certificate no. 238179

Technical data - rotative Remote Position Sensor (NAMUR)	
Electrical connection	2 m round cable (shielded)
Operating voltage	10 to 30 V DC
Residual ripple	< 0.8 W
Sensor measurement range	0° to 360°
Actual position signal	digital (RS485)
Ambient temperature	-25 to +80 °C
Protection class	3 acc. to DIN EN 61140
Type of protection	IP65 acc. to EN 60529
Conformity	EMC directive 2014/30/EU
Approvals	UL (cULus) Certificate no. E226909

Technical data - Position feedback with proximity switches (Accessory)	
Electrical connection	M12, 4-pin
Output function	3-wire, normally open contact, PNP
Operating voltage	10 to 30 V DC
Residual ripple	≤ 10% U _{ss}
DC rated current	≤ 100 mA
Type of protection	IP65 and IP67
Protection class	3 acc. to DIN EN 61140
Conformity	EMC directive 2014/30/EU
Approvals	cCSAus

Note: The position feedback has two proximity switches which are independently adjustable via switch lugs.

Using a remote positioner the length of the control air pipes influences the dynamics and attainable accuracy of the position control loop. The length of the control air pipes therefore should be as short as possible.