

## FEATURES

- Converts analog input control signals to coil current of a proportional solenoid valve by means of pulse width modulation
- LED-Display integrated in the connector
- Adjustable UP/DOWN ramp control
- Output coil current independent of coil resistance (temperature) and supply voltage variations
- The electronic circuit is integrated in a standard housing according to DIN EN 175301-803, form A
- Parameter setting via PC interface and programming adapter or, optionally, via the switches integrated in the connector

## GENERAL

**Nominal voltage** 12/24 V DC  
**Maximum current** 1,2 A / 2,5 A

## CONSTRUCTION

**Housing** PA  
**Cover** PA  
**Screw** Zinc plated steel  
**Seals** NBR

## ELECTRICAL CHARACTERISTICS

**Connector** M12, 5 pins  
**Connector specification** DIN EN 175301-803, form A  
**Electrical safety** IEC 335  
**Electrical enclosure protection** IP65 (EN 60529)  
**Supply voltage** 12V ... 30 V DC (incl. ripple)

max. full load current ( $I_{FL}$ ) (mA)	input control signal		ambient temperature range ( $^{\circ}$ C)
	$U_c$ = (V)	$I_c$ (mA)	
1200/2400	0 - 10	4 - 20	-20 to +65

**Ramp time** Selectable ON/OFF,  
adjustable from 50 ms to 5 s, UP/DOWN  
**Adjustable switch frequency** 60 - 1500 Hz

## SPECIFICATIONS

catalogue number: proportional valves for digital control unit	type <sup>(1)</sup>	setpoint	catalogue number	
			control unit	adapter
202A001V to 202A087V 203B001V and 203B002V 60200001, 60200002, 60200004	01	0 - 10 V	<b>X90850164500100</b>	-
		4 - 20 mA	<b>X90850164500200</b>	
202A201V to 202A208V 202A513V	02	0 - 10 V	<b>X90850164500100</b>	+ <b>833-064154</b>
		4 - 20 mA	<b>X90850164500200</b>	

<sup>(1)</sup> Refer to the dimensional drawings on the following page.

## PROPORTIONAL VALVES SUITABLE FOR CONTROL APPLICATIONS

description	series	illustration	catalogue page
3-port proportional valve for pressure control	602		see P308 in our "Pneumatic Components" catalogue
Posiflow / Preciflow proportional solenoid valves, Flapper proportional	202, 203 068		See our "Proportional Technology" catalogue at: <a href="http://www.asconumatics.eu">www.asconumatics.eu</a>



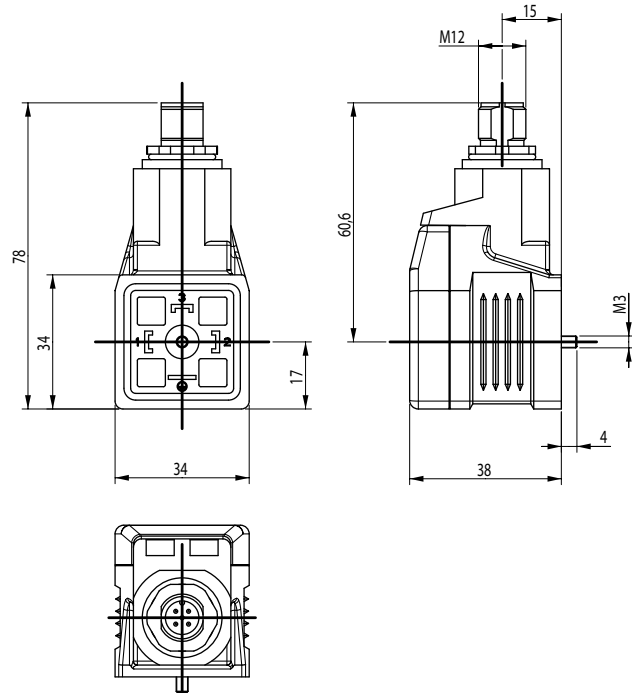
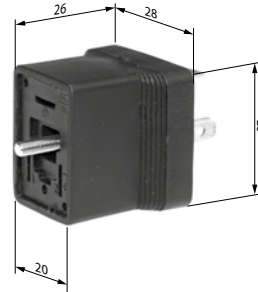
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**INSTALLATION**

- The control unit can be mounted in any position without affecting operation

**DIMENSIONS (mm), WEIGHT (kg)**

**TYPE 01: CONTROL UNIT**  
 0,075 kg

**TYPE 02: ADAPTER**  
 from Form A to Form B

**PROGRAMMING ADAPTER**

**INPUT AND OUTPUT SIGNALS**

Pin	Supply
1	Voltage supply (see "Electrical Characteristics")
3	Analog ground 0 V (GND)
<b>Analog signals</b>	
2 4	Setpoint input (differential input) The range 0...100 % corresponds to an input voltage of 0...10 V or an input current of 4...20 mA (depending on version used).
<b>Communication</b>	
5	LIN Bus connection The parameters for the device can be set via this connection and our programming adapter.

**ACCESSORIES**

description	catalogue number
Straight M12 female connector, 5 pins, with screw terminals	<b>88100256</b>
Right-angle M12 female connector, 5 pins, with screw terminals	<b>88100725</b>
Supply cable 2 m, 2 x 0,25 mm <sup>2</sup> , straight connector	<b>88100726</b>
Supply cable 2 m, 2 x 0,25 mm <sup>2</sup> , right-angle connector	<b>88100727</b>
Supply cable 5 m, 6 x 0,56 mm <sup>2</sup> , straight connector	<b>88100728</b>
Supply cable 5 m, 6 x 0,56 mm <sup>2</sup> , right-angle connector	<b>88100729</b>
Supply cable 10 m, 6 x 0,56 mm <sup>2</sup> , straight connector	<b>88100730</b>
Supply cable 10 m, 6 x 0,56 mm <sup>2</sup> , right-angle connector	<b>88100731</b>
Adapter DIN EN 175301-803 from Form A to Form B for Type 02	<b>833-064154</b>
Programming adapter	<b>X90850164500300</b>

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