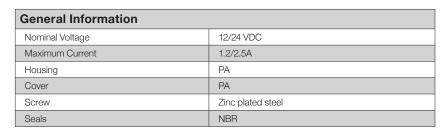
ELECTRONIC CONTROL UNIT

-A-A-



- 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



Electrical Characteristics	
Connector	M12, 5 pins
Connector Specification	DIN EN 175301-803, form A
Electrical Safety	IEC 335
Electrical Encloseure Protection	IP65 (EN 60529)
Supply Voltage	12 V30 VDC (incl. ripple)
Ramp	Selectable ON/OFF, adjustable between 50 ms to 5 s, Up/Down
Adjustable Switching Frequency	60 to 1500Hz

Max. Full Load Current	Input Control Signal		Ambient Temperature Range	
I _{FL}	υ _C	Ic	nalige	
mA	V	mA	°C (°F)	
1200/2400	0 - 10	4 - 20	-20 to 65 (-4 to 149)	

Specifications				
Catalog Number: Proportional Valves for Digital Control Unit	Type ¹	Setpoint	Catalog Number	
			Contol Unit	Adapter
202A001V to 202A087V 203B001V and 203B002V	01	0 - 10 V	X90850164500100	-
60200001, 60200002, 60200004		4 - 20 mA	X90850164500200	
202A201V to 202A208V	02	0 - 10 V	X90850164500100	833-064154
202A513V		4 - 20 mA	X90850164500200	000-004104

¹ Refer to the dimensional drawings on the following page

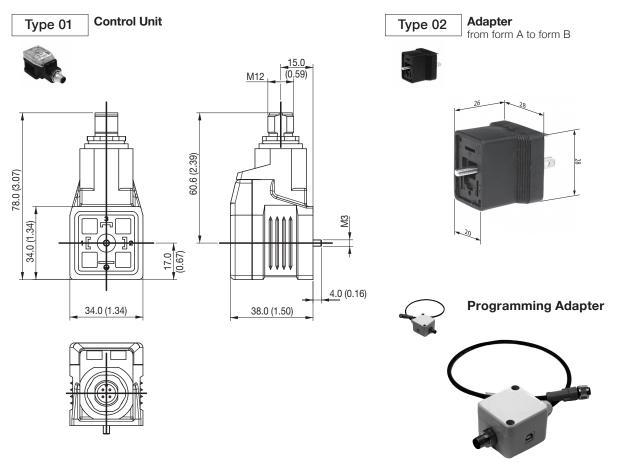
Proportional Valves Suitable for Control Applications			
Description	Series	Illustration	Catalog Pages
3-port proportional valve for pressure control	602		see P308 in the "Pneumatic Components" catalog
Posiflow/Preciflow proportional solenoid valves, Flapper proportional	202-203, 068		See the "Proportional Technology" catalog





Dimensions: mm (inches)

Dimensional Drawings



Input and Output Signals				
Pin	Supply			
1	Voltage supply (see "Electrical Characteristics")			
3	Analog ground 0 V (GND)			
	Analog signals			
2 4	Setpoint input (differential input) The range 0100% corresponds to an input voltage of 010 V or an input current of 420 mA (depending on version used)			
	Communication			
5	LIN Bus connection The parameters for the device can be set via this connection and our programming adapter			

Accessories				
Description	Catalog Number			
Straight M12 female connector, 5 pins, with screw terminals	88100256			
Right-angle M12 female connector, 5 pins, with screw terminals	88100725			
Supply cable 2m, 2 x 0.25mm², straight connector	88100726			
Supply cable 2m, 2 x 0.25mm², right-angle connector	88100727			
Supply cable 5m, 6 x 0.56mm ² , straight connector	88100728			
Supply cable 5m, 6 x 0.56mm ² , right-angle connector	88100729			
Supply cable 10m, 6 x 0.56mm ² , straight connector	88100730			
Supply cable 10m, 6 x 0.56mm ² , right-angle connector	88100731			
Adapter DIN EN 175301-803 from form A to form B for Type 02	833-064154			
Programming adapter	X90850164500300			

Installation

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