

Data Sheet for sensor accessories

Programmer for MAB36APM, MAB40APM, ETA25PM

Series PRO



Picture shows programmer with connected rotary encoder. The rotary encoder is not part of delivery.

- Plug & Play programmer for parameterization of Hall Single-/Multiturn rotary encoders from series MAB36APM, MAB40APM, ETA25PM
- Allows the parameterization of one rotary encoder 10.000 times
- 3 lateral positioned Ø 4 mm sockets (for banana plugs) for power supply and output signal
- 6 cable terminals on top with push buttons for a fast and secure electrical connection of the rotary encoder
- 2 buttons (start/stop) for parameterizing the effective electrical angle of rotation
- Toggle switch for setting the sense of rotation CW or CCW

The programmer offers the easy, fast and secure parameterization of MEGATRON's MAB40APM, MAB36APM and ET25PM rotary encoders. With the programmer the rotary encoder can be parameterized exact to the requirements of the application. The programmer offers for a fast electrical connection of the rotary encoder a cable terminal with push buttons, which is useful in particular in a series parameterization.

Electrical Data

Programmable effective electrical angle of rotation	0..10° to 0..72000° (max. 200 turns)
Supply voltage	9..30 V for rotary encoder with VSUP = 24 V and 0..5 V output 5..30 V for rotary encoder with VSUP = 24 V and 0..10 V output
Power consumption	Not measurable if rotary encoder is not connected With connected rotary encoder < 10 mA
Output load	≥ 5 kOhm
Electrical connection to the sensor	6 pol. terminal block with push buttons, pitch 3.5 mm, wire gauge max. 1.5 mm ²
Electrical connection for supply voltage and output signal	3 x Ø 4 mm sockets, applicable for spring loaded Ø 4 mm plugs with rigid insulating sleeve (banana plug)
Maximum number of programming cycles	10000 times (per connected rotary encoder)

Mechanical and Environmental Data

IP protection grade (IEC 60529):	IP 20
Operating temperature	0 °C...+35 °C
Storage temperature	-20 °C...+45 °C
Material housing	ABS (UL94-HB)
Included in delivery	Programming device (no further components included in delivery)
Mass	app. 60 g

Order Information:

Order no.:	Order code:
127813	Programmer MAB36APM, MAB40APM, ETA25PM

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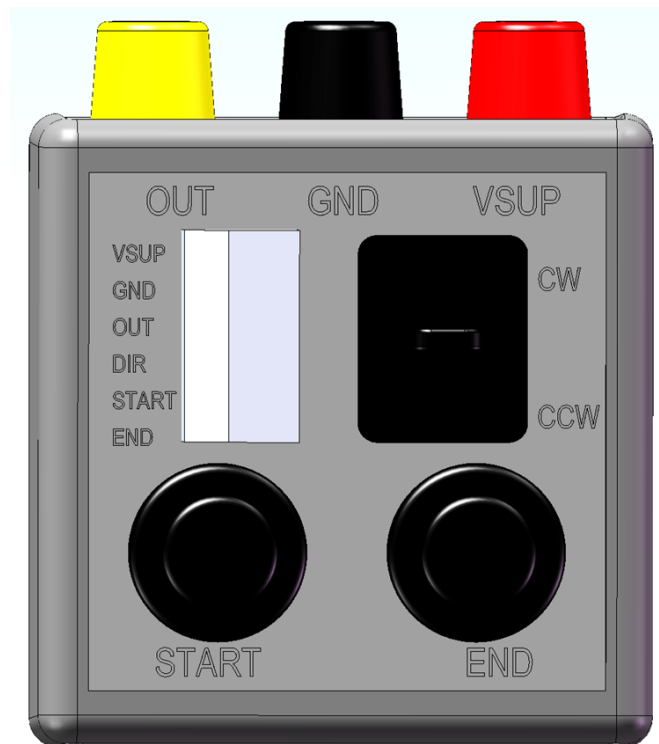
Series PRO

Connection Assignment

Connection Matrix:

Function:	Connection to:	Connections at the programmer:	Marking on the programmer:	Colors of the cable terminals at the programmer:	Rotary encoder cable sheath color
VSUP 1	Programmer	Ø 4 mm socket	VSUP	red	-
OUT 1	Programmer	Ø 4 mm socket	OUT	yellow	-
GND 1	Programmer	Ø 4 mm socket	GND	black	-
VSUP 2	Rotary encoder	Clamping terminal	VSUP	grey	red
GND 2	Rotary encoder	Clamping terminal	GND	grey	black
OUT 2	Rotary encoder	Clamping terminal	OUT	grey	brown
SENSE OF ROTATION (CW/CCW)	Rotary encoder	Clamping terminal	DIR	grey	orange
START point (0°)	Rotary encoder	Clamping terminal	START	grey	yellow
END point (XXXX°)	Rotary encoder	Clamping terminal	END	grey	green
CABLE SHIELD (Only MAB36APM, MAB40APM)	Rotary encoder	none (cable shield won't be connected to the programmer)	-	-	-

Icon picture of programmer



The programming instruction manual can be found on MEGATRON's homepage on the web pages of the corresponding sensor series (MAB36APM, MAB40APM, ETA25PM)