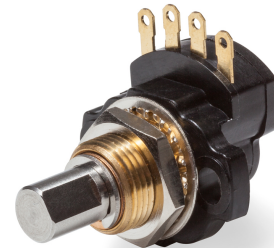


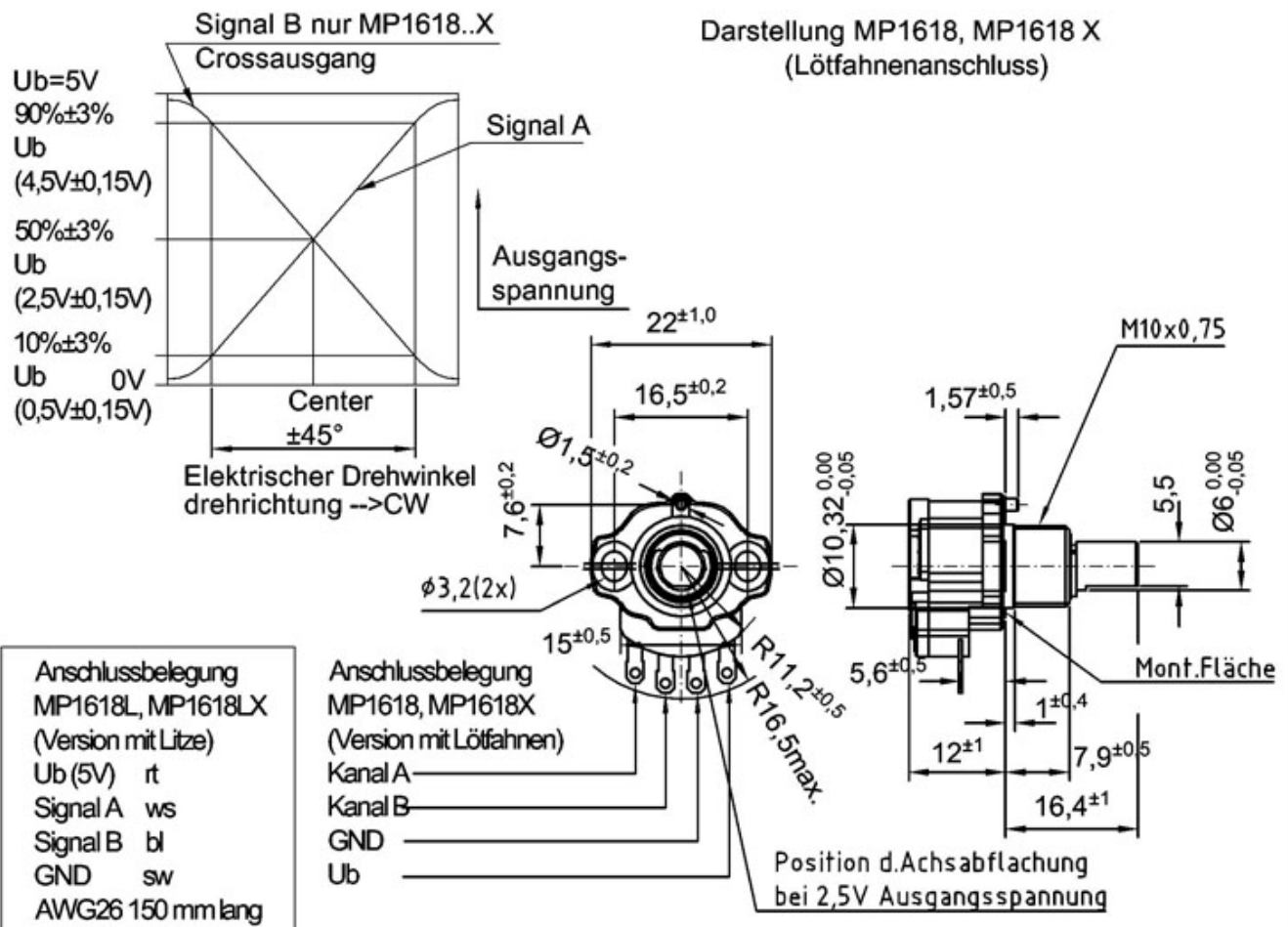
Series MP1618, MP1618X, MP1618L, MP1618LX Contactless Potentiometer

- High lifetime by halleffect technology
- Redundant cross-signal-output
- Linearity tolerance $\pm 1,5\%$
- With solder lugs or stranded wire
- Special angles on request

The MP1613 is a well priced and very compact encoder. It works contactless on hall effect principle and therefore it has as very high life time. It is available with a redundant cross output (Version X).



Drawing



Series MP1618, MP1618X, MP1618L, MP1618LX Contactless Potentiometer

Electrical Data

Technology		hall sensor
Electrical angle	[°]	± 45
Independent linearity tolerance	[%]	± 1,5
Resolution		infinite
Output signal	[% Ub]	10 ... 90
Supply voltage (Ub)	[VDC]	5 ± 10%
Supply current Single- / Crossausgang	[mA]	7 / 14
Temperature drift	[%FS]	± 2,5
Zero point drift	[%FS]	± 0,5
Signal load	[kOhm]	> 100

Mechanical Data

Mechanical angle	[°]	360 without stop
Maximum rotational speed	[rpm]	400
Life expectancy	[turns]	50 x 10 ⁶
Starting torque	[Ncm]	< 0,2
Max. torque for fastening the mounting nut	[Ncm]	max. 150

Other Data

Protection class (shaft and housing)		IP40
Operating temperature	[°C]	-40 ... + 105
Storage temperature	[°C]	-50 ... + 105
Bearing		Sinter-sleeve bearing
Housing material		plastic
Shaft material		stainless steel
Mounting parts (included in delivery)		2 x hex nut, lock washer
Weigth	[g]	approx. 15

Series MP1618, MP1618X, MP1618L, MP1618LX Contactless Potentiometer

Options and Order Description

Series MP1618	MP1618					
With leads instead of solder terminals		L (*)				
Redundant cross output			X			
Other shaft length [mm]				Axx		
Other shaft diameter [mm]					DMxx	

"bold print = standard option"

short-term stock types can be found on: <http://www.megatron.de/en/stocklists/angle-sensors/lagerliste.html>

(*) = on request available for projects

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