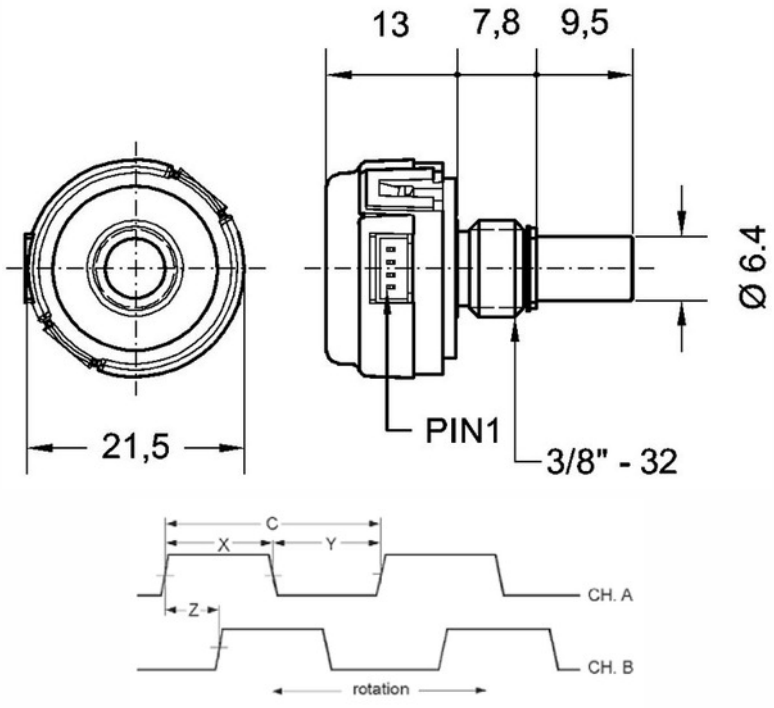
Series SPC / Optoelectronic Encoder

- Miniature model
- 2 channel TTL-signal
- Pulses from 100 to 360 / 360°
- Options: ball bearing, smooth running sleeve bearing
- Preference types from stock

A economically, compact encoder. Optional with ball bearing available.

Drawing



Wiring		
Pin		Colour
1	Supply 5 VDC	orange
2	Channel A	blue
3	Ground	brown
4	Channel B	yellow

MEGATRON Elektronik AG & Co. | **GB MEGATRON Industriesensorik**
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Signals				
Definition	min	typ	may	units
Symmetry	130	180	230	°e
Quadrature	15	90	165	°e
Failure	-90	0	+0	arc min.

Electrical Data	
Pulses	100 .. 360 ppr
Channels	A, B
Frequeny response	30 kHz
Supply voltage	4,5 .. 5,5 VDC (Ripple <100mVpp)
Power consumption	approx. 21 mA

Mechancial Data	Sleeve Bearing	Ball Bearing
Maximum speed	100 rpm	15.000 rpm
Maximale Beschleunigung	10.000 rad/s²	250.000 rad/s²
Maximum accleration	3,5 Nmm	--
Operational torque, Option "Smooth Running" (NT)	2,1 Nmm	0,35 Nmm
Fastening torque mounting nut	1,5 Nm	
Weight	13 g	12 g

Other Data	
Schutzart	IP40
Betriebstemperatur	-10 .. +85 °C
Materiale Welle	Edelstahl oder Messing
Material Bushing	Messing
Vibrationsfestigkeit	20 g (5 - 2 kHz)

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Options and Order Description

Description	Series	Options					
Typ	SPC						
Shaft ∅**6** / **6,35** / 3,17 mm		**6** **6,35** 3,17					
Pulses/rev. **100**, 108, 120, 125, 128, 200, 250, 256, 300, 360			**100** ... 360				
Supply voltage				5			
Output: 2 channels					B		
Signal: TTL						TTL	
Sleeve bearing (Standard) Sleeve bearing smooth running Ball bearing							- NT KL
Example Order Code:	SPC	6	100	5	B	TTL	-
Accessory: Stranded wire 30.5 mm long with Molex-connector. Part No. 119641							

Preference types (bold) available from stock

Our speciality are custom solutions

Examples: Mounting of gear wheels and other mechanical parts, assembling of cables, connectors and more.
Please ask us.

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