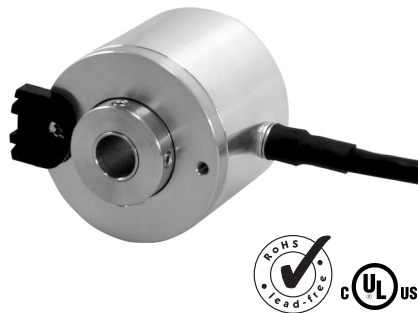


Compact Type 3620



- Low price, compact, high performance
- With hollow shaft for easy mounting
- Fits directly onto drive shaft - no couplings needed - saves up to 30% on cost and 60% on installation space and time
- Universal application in mechanical engineering, vehicles, conveyors and elevators as well as for servo and geared motors
- Wide temperature range (-30 ... +90 °C)
- Hollow shaft up to 8 mm diameter
- Low current consumption despite high

- scanning rate
- IP 65 from housing side
- Temperature compensation
- Sturdy cable entry thanks to multiple clamping
- Highly flexible cable (withstands constant flexing at 0 °C ... 70 °C)
- Reverse connection protected and short circuit proof
- Broad input voltage range (5 ... 18 V or 8 ... 30 V)

Mechanical characteristics:

Speed:	max. 6000 min ⁻¹
Rotor moment of inertia:	approx. 0.2 x 10 ⁻⁶ kgm ²
Starting torque:	< 0.05Nm
Weight:	approx. 0.08 kg
Protection acc. to EN 60 529:	IP 65 housing side
Operating temperature:	-20° C ... +85 °C ²⁾
Working temperature:	-30 °C ... +90 °C ²⁾
Material	Shaft: brass; Housing: Chromated aluminum Cable: PVC
Shock resistance acc. to DIN-IEC 68-2-27:	1000 m/s ² , 6 ms
Vibration resistance acc. to IEC 68-2-6:	500 m/s ² , 10...2000 Hz

²⁾ Non-condensing

Electrical characteristics:

Output circuit:	Push-pull (7272) ¹⁾	Push-pull (7272) ¹⁾
Supply voltage:	5 ... 18 V DC	8 ... 30 V DC
Power consumption (no load)	< 40 mA	< 40 mA
with inverted signal:		
Permissible load/channel:	max. ±50 mA	max. ±50 mA
Pulse frequency:	max. 200 kHz	max. 200 kHz
Signal level high:	min. U _B - 2.5 V	min. U _B - 3 V
Signal level low:	max. 0.5 V	max. 0.5 V
Rise time t _r	max. 1 µs	max. 1 µs
Fall time t _f	max. 1 µs	max. 1 µs
Short circuit proof outputs ¹⁾ :	yes ²⁾	yes ²⁾
Reverse connection protection at UB:	yes	yes
Conforms to CE requirements acc. to EN 61000-6-1, EN 61000-6-4 and EN 61000-6-3		

¹⁾ Max. recommended cable length 30m

²⁾ If supply voltage correctly applied

Pulse rates available at short notice:

25, 100, 200, 360, 500, 600, 1000, 1024, 1500, 2000, 2048, 2500

Other pulse rates on request

Hollow shaft version, Type 3620

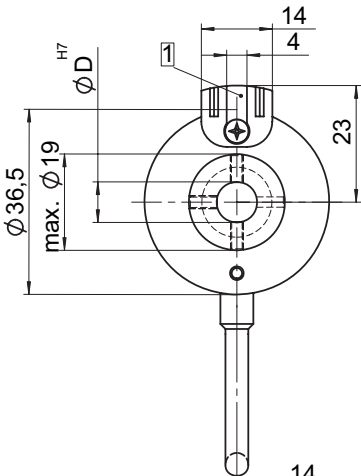
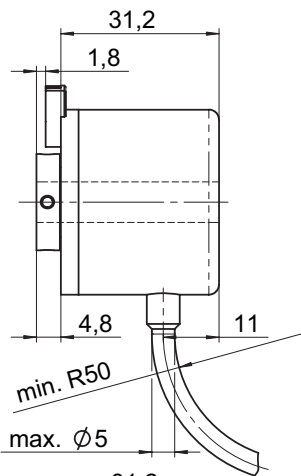
Terminal assignment:

Signal:	0 V	+U _B	A	$\bar{A}$	B	$\bar{B}$	0	$\bar{0}$	Shield
Colour:	WH	BN	GN	YE	GY	PK	BU	RD	

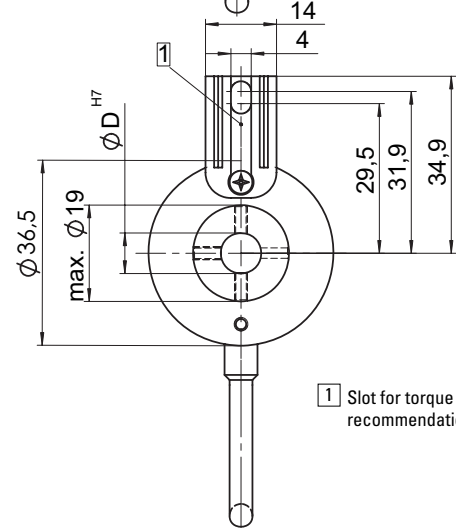
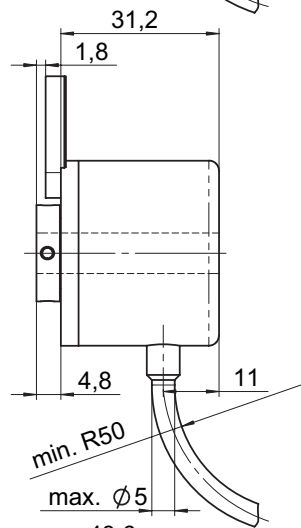
Insulate unused outputs before initial startup.

Dimensions

Bracket with torque stop
short (1)

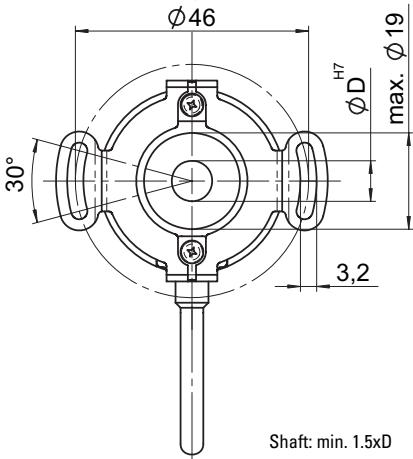
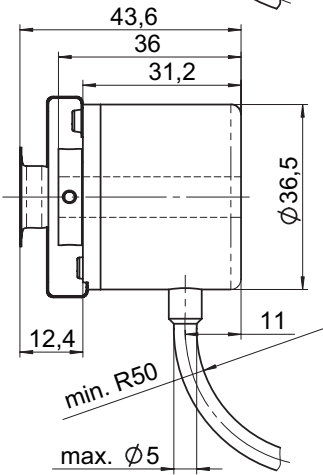


Bracket with torque stop
long (2)



1 Slot for torque stop,
recommendation: Pin DIN 7 ø 4

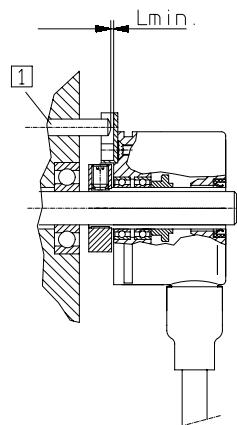
Bracket with stator coupling (5)



Shaft: min. 1.5xD

Hollow shaft version, Type 3620

Mounting advice



1 Pin to DIN 7.4 x 12

Mounting advice:

- 1) The brackets and shafts of the encoder and drive should not both be rigidly coupled together at the same time.
- 2) When mounting a hollow shaft encoder, we recommend using a torque stop pin or a stator coupling.
- 3) When mounting the encoder ensure the dimension $L_{min.}$ is larger than the maximum axial play of the drive.

Order code

8.3620.XXXX.XXXX

Type series					Pulse rate (e.g. 500 pulses => 0500)
Bracket					Type of connection E = Cable radial (2 m PVC cable)
1 = Hollow shaft with short torque stop					
2 = Hollow shaft with long torque stop					
5 = Hollow shaft with stator coupling					
Hollow shaft					Output circuit and voltage display
2 = ø 6 mm					2 = Push-pull with inverted signal Power supply 5 ... 18 V DC
3 = ø 6.35 mm					3 = Push-pull without inverted signals 8 ... 30 V DC Power supply
4 = ø 8 mm					4 = Push-pull with inverted signal Power supply 8 ... 30 V DC