

# KUEBLER - INCREMENTAL PULSE TRANSDUCER, SENDIX BASE KI40 SERIES

SERIE KIS40

- Housing diameter Ø40 mm
- Reinforced Safety-Lock™ design
- Max. 2 500 pulses per revolution
- Temperature range -20 to +70 ° C



## Product description

With up to 2 500 pulses per revolution, the sensor fits well in applications where high accuracy is important. Thanks to the small aluminum housing with an outer diameter of 40 mm, it is well suited for tight spaces. Metal disk for sensors up to 600 pulses makes the sensor durable and durable even in tougher environments. This format fills up the product flora in the segment between miniature and standard encoder. A cost-effective, high-quality incremental encoder

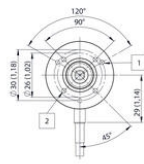
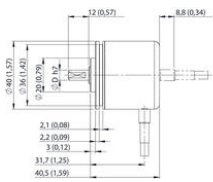
Please refer to the images below for ordering information.

Order code	8.KIS40 . 1XXXX . XXXX . PXX <sup>1)</sup>						
Shaft version	Type	a	b	c	d	e	f
<b>a</b> Flange		<b>d</b> Type of connection		<b>Stock types</b>			
1 = clamping-synchro flange, ø 40 mm [1.57"]		1 = axial cable, 2 m [6.56'] PVC		8.KIS40.1342.0360		8.KIS40.1362.0500	
		2 = radial cable, 2 m [6.56'] PVC		8.KIS40.1342.0500		8.KIS40.1362.1024	
<b>b</b> Shaft (ø x L)		<b>e</b> Pulse rate		8.KIS40.1342.1000		8.KIS40.1362.2048	
3 = ø 6 x 12 mm [0.24 x 0.47"], with flat		25, 100, 200, 360, 500, 512, 600,		8.KIS40.1342.1024			
5 = ø 1/4" x 12 mm [1/4" x 0.47"], with flat		1000, 1024, 2000, 2048, 2500		8.KIS40.1342.2048			
		(e.g. 500 pulses => 0500)		8.KIS40.1342.2500			
<b>c</b> Output circuit / power supply		<b>f</b> Special signal format		<i>Optional on request</i>			
3 = open collector (with inverted signal) / 10 ... 30 V DC		P03 = see page 58		- other pulse rates			
4 = push-pull (with inverted signal) / 10 ... 30 V DC							
6 = RS422 (with inverted signal) / 5 V DC							
7 = open collector (without inverted signal) / 10 ... 30 V DC							
8 = push-pull (without inverted signal) / 10 ... 30 V DC							

Order code	8.KIH40 . XXXXX . XXXX . PXX <sup>1)</sup>						
Hollow shaft	Type	a	b	c	d	e	f
<b>a</b> Flange		<b>d</b> Type of connection		<b>Stock types</b>			
2 = with spring element, long		1 = axial cable, 2 m [6.56'] PVC		8.KIH40.2442.1024		8.KIH40.5442.0360	
5 = with stator coupling, ø 46 mm [1.81"]		2 = radial cable, 2 m [6.56'] PVC		8.KIH40.2462.1000		8.KIH40.5442.0500	
				8.KIH40.2462.1024		8.KIH40.5442.1024	
<b>b</b> Blind hollow shaft (insertion depth max. 18 mm [0.71"])		<b>e</b> Pulse rate		8.KIH40.5442.2048			
4 = ø 8 mm [0.32"]		25, 100, 200, 360, 500, 512, 600,		8.KIH40.5442.2500			
3 = ø 1/4"		1000, 1024, 2000, 2048, 2500		8.KIH40.5462.0500			
		(e.g. 500 pulses => 0500)		8.KIH40.5462.2048			
<b>c</b> Output circuit / power supply		<b>f</b> Special signal format		<i>Optional on request</i>			
3 = open collector (with inverted signal) / 10 ... 30 V DC		P03 = see page 58		- other pulse rates			
4 = push-pull (with inverted signal) / 10 ... 30 V DC							
6 = RS422 (with inverted signal) / 5 V DC							
7 = open collector (without inverted signal) / 10 ... 30 V DC							
8 = push-pull (without inverted signal) / 10 ... 30 V DC							

## Specifications

<b>Housing diameter</b>	40
<b>IP Class</b>	IP64
<b>Pulse Max</b>	2500
<b>Shaft Diameter max</b>	8
<b>Shaft Diameter min</b>	6
<b>Supply Voltage DC Max</b>	30
<b>Supply Voltage DC Min</b>	5
<b>Temperature range from</b>	-20
<b>Temperature range to</b>	85



Output circuit	Type of connection	Cable (isolate unused wires individually before initial start-up)
3, 4, 6 with the signal	1, 2	Signal: Cable colour:

Signal	0 V	+V	A	A̅	B	B̅	0	S̅
Cable colour:	WH	BN	GN	YE	GY	PK	BU	RD

+V: Encoder power supply +V DC  
 0 V: Encoder power supply ground GND (0 V)  
 A, A̅: Incremental output channel A  
 B, B̅: Incremental output channel B  
 0, S̅: Reference signal