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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 Shaft version

8.KIS40	.	1	X	X	X	.	XXXX	.	PXX [1]
Type		a	b	c	d		e		f

a *Flange*
1 = clamping-synchro flange, ø 40 mm [1.57"]

b *Shaft (ø x L)*
3 = ø 6 x 12 mm [0.24 x 0.47"], with flat
5 = ø 1/4" x 12 mm [1/4" x 0.47"], with flat

c *Output circuit / power supply*
3 = open collector (with inverted signal) / 10 ... 30 V DC
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

d *Type of connection*
1 = axial cable, 2 m [6.56'] PVC
2 = radial cable, 2 m [6.56'] PVC

e *Pulse rate*
25, 100, 200, 360, 500, 512, 600, 1000, 1024, 2000, 2048, 2500
(e.g. 500 pulses => 0500)

f *Special signal format*
P03 = see page 58

Stock types
8.KIS40.1342.0360
8.KIS40.1342.0500
8.KIS40.1342.1000
8.KIS40.1342.1024
8.KIS40.1342.2048
8.KIS40.1342.2500
8.KIS40.1362.0500
8.KIS40.1362.1024
8.KIS40.1362.2048

Optional on request
- other pulse rates

Order code Hollow shaft

8.KIH40	.	X	X	X	X	.	XXXX	.	PXX [1]
Type		a	b	c	d		e		f

a *Flange*
2 = with spring element, long
5 = with stator coupling, ø 46 mm [1.81"]

b *Blind hollow shaft (insertion depth max. 18 mm [0.71"])*
4 = ø 8 mm [0.32"]
3 = ø 1/4"

c *Output circuit / power supply*
3 = open collector (with inverted signal) / 10 ... 30 V DC
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

d *Type of connection*
1 = axial cable, 2 m [6.56'] PVC
2 = radial cable, 2 m [6.56'] PVC

e *Pulse rate*
25, 100, 200, 360, 500, 512, 600, 1000, 1024, 2000, 2048, 2500
(e.g. 500 pulses => 0500)

f *Special signal format*
P03 = see page 58

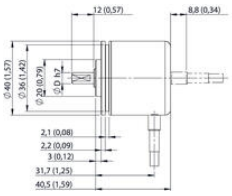
Stock types
8.KIH40.2442.1024
8.KIH40.2462.1000
8.KIH40.2462.1024
8.KIH40.5442.0360
8.KIH40.5442.0500
8.KIH40.5442.1024
8.KIH40.5442.2048
8.KIH40.5442.2500
8.KIH40.5462.0500
8.KIH40.5462.2048

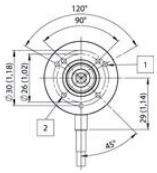
Optional on request
- other pulse rates

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TECHNICAL DATA

Connection	Cable
Housing diameter	40 mm
IP class	IP64
Mounting	Shoulder
Output	Push/Pull, RS422
Pulse max	2500
Sensor type	Incremental
Shaft diameter max	8 mm
Shaft diameter min	6 mm
Supply voltage dc max	30 V DC
Supply voltage dc min	5 V DC
Temperature operational max	85 °C
Temperature operational min	-20 °C





Output circuit	Type of connection	Cable (isolate unused wires individually before initial start-up)								
3, 4, 6 with inv. signal	1, 2	Signal:	0 V	+V	A	$\bar{A}$	B	$\bar{B}$	0	$\bar{0}$
		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, $\bar{A}$: Incremental output channel A
B, $\bar{B}$: Incremental output channel B
0, $\bar{0}$: Reference signal

Output circuit	Type of connection	Cable (isolate unused wires individually before initial start-up)								
3, 4, 6 with inv. signal	1, 2	Signal:	0 V	+V	A	$\bar{A}$	B	$\bar{B}$	0	$\bar{0}$
		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, $\bar{A}$: Incremental output channel A
B, $\bar{B}$: Incremental output channel B
0, $\bar{0}$: Reference signal