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.
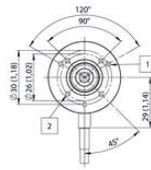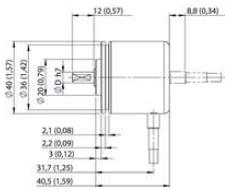A cost-effective, high-quality incremental encoder

Please refer to the images below for ordering information.

Order code Shaft version

8.KIS40 . 1XXX . XXXX . PXX[1]
Type @ⓑⓒⓓ ⓔ ⓕ

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

ⓑ 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

ⓒ 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

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

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

ⓕ Special signal format
P03 = see page 58

Stock types

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

Optional on request
- other pulse rates

Order code Hollow shaft

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

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

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

ⓒ 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

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

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

ⓕ Special signal format
P03 = see page 58

Stock types

8.KIH40.2442.1024	8.KIH40.5442.0360
8.KIH40.2462.1000	8.KIH40.5442.0500
8.KIH40.2462.1024	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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SPECIFICATIONS

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

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	Ā	B	B̄	0	0̄
		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, Ā: Incremental output channel A
B, B̄: Incremental output channel B
0, 0̄: 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	Ā	B	B̄	0	0̄
		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, Ā: Incremental output channel A
B, B̄: Incremental output channel B
0, 0̄: Reference signal