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KUEBLER - INCREMENTAL ENCODER, SENDIX H120

SERIE H120

- High durability
- Many mounting options
- High degree of enclosure
- Wide temperature range



PRODUCT DESCRIPTION

The Sendix H120 series is designed to fit in tough environments. Specialized for high voltage motors, generators, steel and crane industry.
The sensor has a high enclosure degree, IP66, IP67 and a wide temperature range -40 to +100 ° C. It is also equipped with "HD-Safety LockTM, which includes double gaskets, against moisture and dust. All layers are also sturdier and stronger.

The many choices of contact types make this pulse sensor very flexible, sometimes the optical fiber, M12, M23 and terminal boxes are selected.
The H120 can be delivered with a fastening lever in different lengths.

Please refer to the image below for ordering information.

Order code Hollow shaft version

8.H120 . X X X X . XXXX
Type — a b c d — e

a *Flange*
1 = without mounting aid
2 = with fastening arm 70 mm [2.76"] 2)
3 = with fastening arm 100 mm [3.93"] 2)
4 = with fastening arm 150 mm [5.91"] 2)
5 = with stator coupling, ø 119 mm [4.69"]

b *Through hollow shaft*
2 = ø 16 mm [0.63"]
3 = ø 20 mm [0.79"]
5 = ø 25 mm [0.98"]
7 = ø 28 mm [1.10"]
6 = ø 1"
Blind hollow shaft, with central fastening insertion depth max. 53 mm [2.09"]
A = ø 12 mm [0.47"]
B = ø 16 mm [0.63"]
Blind hollow shaft, cone with central fastening insertion depth max. 22.5 mm [0.89"]
K = ø 17 mm [0.67"], 1 : 10

c *Output circuit / power supply*
4 = RS422 (with inverted signal) / 5 V DC
1 = RS422 (with inverted signal) / 10 ... 30 V DC
5 = push-pull (with inverted signal) / 10 ... 30 V DC
6 = push-pull (with inverted signal) / 10 ... 30 V DC, power version up to 350 m
B = optical fiber + RS422 (with inverted signal) / 5 V DC 3)
A = optical fiber + RS422 (with inverted signal) / 10 ... 30 V DC 3)
C = optical fiber + push-pull (with inverted signal) / 10 ... 30 V DC 3)

d *Type of connection*
1 = radial cable, 1 m [3.28'] PVC
A = radial cable, special length PVC *)
2 = radial M12 connector, 8-pin, ccw
4 = radial M23 connector, 12-pin, ccw
D = radial M23 connector, 12-pin, cw
K = terminal box with plug-in spring terminal connectors, rotatable through 180°
L = optical fiber connector + radial M23 connector, 12-pin, cw 4)

*) Available special lengths (connection type A):
2, 3, 5, 8, 10, 15 m [6.56, 9.84, 16.40, 26.25, 32.80, 49.21']
order code expansion .XXXX = length in dm
ex.: 8.H120.121A.2048.0030 (for cable length 3 m)

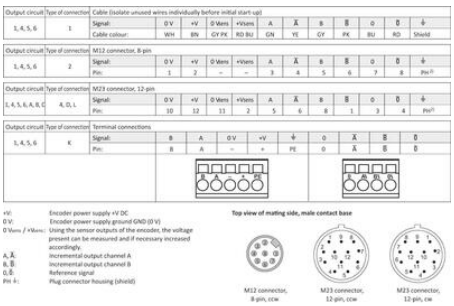
e *Pulse rate*
50, 360, 512, 600, 1000, 1024, 1500, 2000, 2048, 2500, 4096, 5000
(e.g. 360 pulses => 0360)

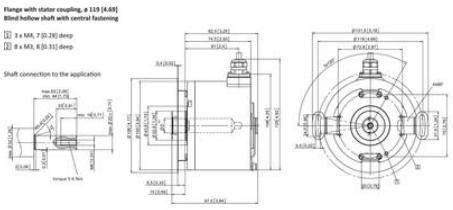
Optional on request
- other pulse rates
- Ex 2/22 5)

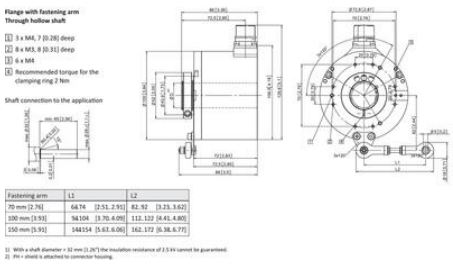
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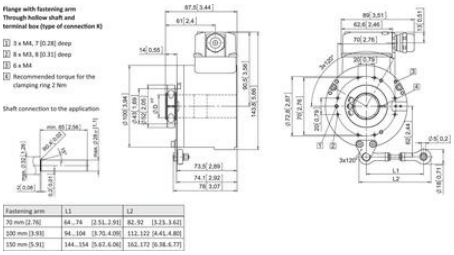
TECHNICAL DATA

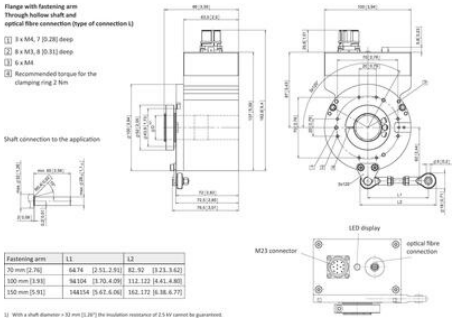
Connection	Cable, M12, M23 contact
Housing diameter	120 mm
IP class	IP66, IP67
Mounting	Hollow shaft
Output	Push/Pull, RS422
Pulse max	5000
Sensor type	Incremental
Shaft diameter max	25 mm
Shaft diameter min	12 mm
Supply voltage dc max	30 V DC
Supply voltage dc min	5 V DC
Temperature operational max	100 °C
Temperature operational min	-40 °C
Version	Multiturn

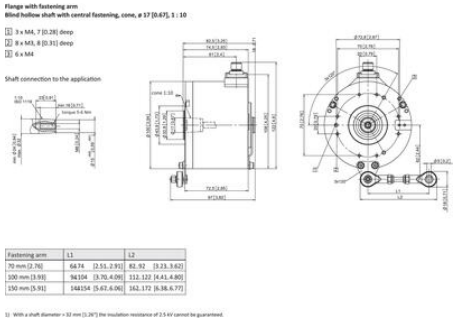


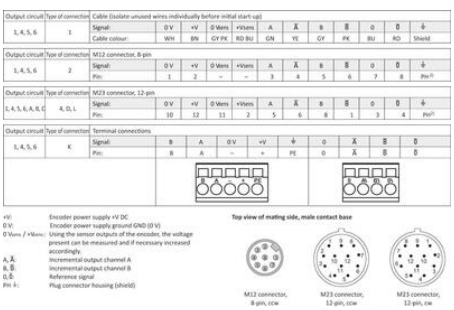


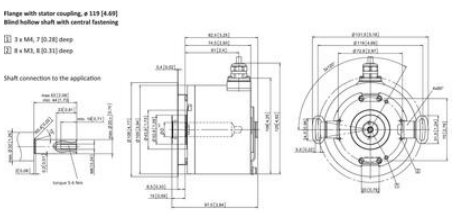


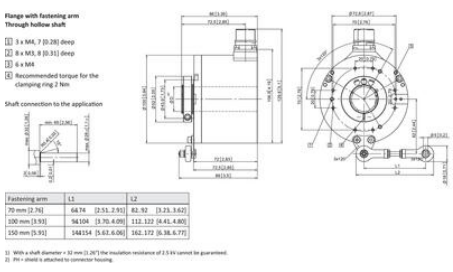










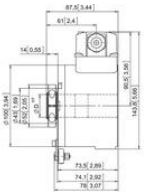


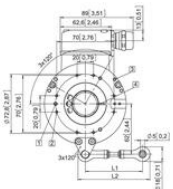
Flange with fastening arm
Through hollow shaft and
terminal box (type of connection K)

1 3 x M4, 7 [0.28] deep
2 8 x M3, 8 [0.31] deep
3 6 x M4
4 Recommended torque for the clamping ring 2 Nm

Shaft connection to the application







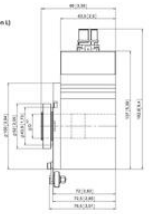
Fastening arm	L1		L2	
70 mm [2.76]	64 .. 74	[2.51..2.91]	82..92	[3.23..3.62]
100 mm [3.93]	94 .. 104	[3.70..4.09]	112..122	[4.41..4.80]
150 mm [5.91]	144...154	[5.67..6.06]	162..172	[6.38..6.77]

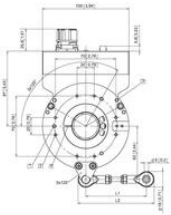
Flange with fastening arm
Through hollow shaft and
optical fibre connection (type of connection L)

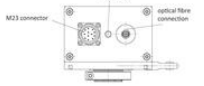
1 3 x M4, 7 [0.28] deep
2 8 x M3, 8 [0.31] deep
3 6 x M4
4 Recommended torque for the clamping ring 2 Nm

Shaft connection to the application









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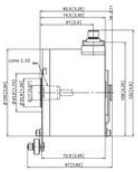
1) With a shaft diameter > 32 mm [1.26"] the insulation resistance of 2.5 kV cannot be guaranteed.

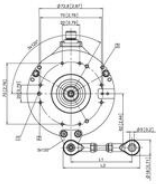
Flange with fastening arm
Blind hollow shaft with central fastening, cone, ø 17 [0.67], 1 : 10

1 3 x M4, 7 [0.28] deep
2 8 x M3, 8 [0.31] deep
3 6 x M4

Shaft connection to the application







Fastening arm	L1		L2	
70 mm [2.76]	64.74	[2.51..2.91]	82..92	[3.23..3.62]
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