

PULSGIVARE, INKREMENTELL, SENDIX H120

SERIE H120

- Hög hållbarhet
- Många monteringsalternativ
- Hög kapslingsgrad
- Brett temperaturområde



PRODUKTBESKRIVNING

Sendix H120-serien är framtagen för att passa i tuffa miljöer. Specialicerad för högspänningsmotorer, generatorer, stål- och kranindustrin. Givaren har en hög kapslingsgrad, IP66, IP67 och ett brett temperaturområde -40 till +100 °C. Den har även utrustats med "HD-Safety Lock™", som innebär dubbla packningar, mot fukt och damm. Alla lager är även robustare och starkare.

De många valen av kontakttypen gör denna pulsgivare väldigt flexibel, ibland valen finns Optisk fiber, M12, M23 och terminalbox. H120 kan levereras med en fästarm i olika längder (Se datablad under fliken "Download") men även med statorkoppling.

Beställningsnyckel	H120. A B C D E	
A Fläns	C Utgångsalt./Matningsspänning	E Pulser per varv
1 = Utan fästarm	4 = RS422 / 5 V DC	50, 360, 512, 600, 1000, 1024,
2 = Fästarm 70 mm	1 = RS422 / 10 till 30 V DC	1500, 2000, 2048, 2500, 4096,
3 = Fästarm 100 mm	5 = Push-Pull / 10 till 30 V DC	5000
4 = Fästarm 150 mm	6 = Push-Pull / 10 till 30 V DC, kraft version	Ex. 500 pulser = 0500
5 = Statorkoppling. ∅ 119 mm	för upp till 350 m	
(Fästarm levereras ej monterad)	B = LWL + RS422 / 5 V DC A = LWL + RS422 / 10 till 30 V DC C = LWL + Push-Pull / 10 till 30 V DC (Alla versioner med inverterad signal, Version B, A, C finns endast med kontakttyp L)	
B Hållaxel	D Kontakt	

K = Kon, $\varnothing$ 17 mm, 1:10

L = Optisk fiberkontakt + M23-kontakt, 12

ex. H120.XXXX.XXXX.0030 = Kabellängd 3 m

Output circuit / Type of connection

I, A, S, G	1	Cable (insulated wires individually before initial start-up)	O/V	+V	O/Warm	xWarm	A	X	B	S	G	0	0	0	0	Dishid
Cable colour:		M12 connector, 6 pin	Pin:	1	2	-	-	-	-	-	-	-	-	-	-	-

Output circuit / Type of connection

I, A, S, G	2	M12 connector, 12 pin	Pin:	1	2	-	-	-	-	-	-	-	-	-	-	Pin ¹⁾
O/V	+V	O/Warm	xWarm	A	X	B	S	G	0	0	0	0	0	0	0	Pin ²⁾

Output circuit / Type of connection

I, A, S, G, K, X, Q, L	3	M12 connector, 12 pin	Pin:	1	2	3	4	5	6	7	8	9	10	11	12	Pin ²⁾
O/V	+V	O/Warm	xWarm	A	X	B	S	G	0	0	0	0	0	0	0	Pin ²⁾

Output circuit / Type of connection

I, A, S, G	K	Terminal connections	Pin:	B	A	O/V	+V	0	A	B	S	G	0	0	0	0
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Top view of mating cable, male contact base

v/f: Encoder power supply +v/f DC
O/V: Encoder power supply ground GND (0 v/f)
A/X/B/S/G: Using the sensor outputs of the encoder, the voltage present can be measured and if necessary increased accordingly.
I: Incremental output channel A
S: Incremental output channel B
R: Reference signal
Pin 4: Plug connector housing (shield)

M12 connector, 6-pin size

M12 connector, 12-pin size

M12 connector, 12-pin size, cv

Flange with stator coupling, ø 110 [ø 60]
blind shaft with central fastening

① ø M6, 70-260 deep
 ② ø x M5, Ø 3-102 deep

Shaft connection to the application

Flange with fastening arm through hollow shaft

③ ø M4, 70-260 deep
 ④ ø M3, Ø 3-311 deep
 ⑤ ø x M4
 ⑥ Recommended torque for the clamping ring 2 Nm

Shaft connection to the application

Fastening arm	L1	L2
70 mm [2 7/8"]	64.74 [(2.55, 2.91)]	82.30 [(3.23, 3.62)]
100 mm [3.93"]	94.104 [(3.70, 4.08)]	112.122 [(4.41, 4.80)]
150 mm [5.91"]	140.254 [(5.52, 6.06)]	162.172 [(6.38, 6.77)]

① With a shaft diameter > 10 mm [3/8"], the maximum resolution of 2.5 V/cant be guaranteed.
 ② Pin 4 shield is attached to connector housing.

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

- 1) 4 x M4, 7 (3.28) deep
- 2) 4 x M4, 8 (3.15) deep
- 3) 4 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 (2.55.2.93)	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 (6.36.6.77)



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

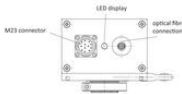
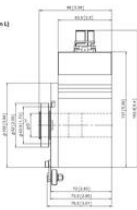
- 1) 4 x M4, 7 (3.28) deep
- 2) 4 x M4, 8 (3.15) deep
- 3) 4 x M4
- 4) Recommended torque for the clamping ring 2 Nm

Shaft connection to the application



Fastening arm	L1	L2
70 mm (2.76)	64.74 (2.55.2.93)	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 (6.36.6.77)

1) With a shaft diameter > 12 mm (0.47 in) 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) 4 x M4, 7 (3.28) deep
- 2) 4 x M4, 8 (3.15) deep
- 3) 4 x M4

Shaft connection to the application



Fastening arm	L1	L2
70 mm (2.76)	64.74 (2.55.2.93)	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 (6.36.6.77)

1) With a shaft diameter > 12 mm (0.47 in) the insulation resistance of 2.5 kV cannot be guaranteed.