



### Premium heavy duty hollow shaft encoder, Absolute

- 99,5mm diameter
- Extremely robust design
- Shock and vibration protected Inductive scanning
- Hybrid bearings for extended lifetime
- Electrically insulated up to 2.5 kV



### Mechanical data

Operating temperature	-40 °C...+85 °C
Ingress protection class [IEC 60529]	IP67/IP66 (Encoder body/Shaft inlet)
Vibration [IEC 60068-2-64]	≤ 200 m/s <sup>2</sup>
Shock [IEC 60068-2-27]	≤ 1500 m/s <sup>2</sup>
Shaft load max (axial/radial)	210 / 360 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel with insulated hybrid bearings
Cover material	Aluminium (anodized)
Weight	1700 g
Torque support	120° torque bracket

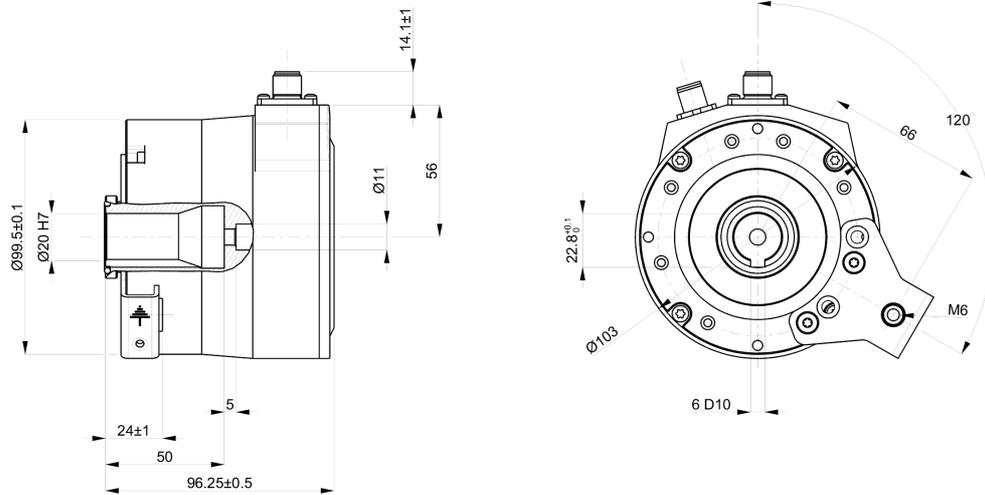
### Encoder configuration

Code key	9010242600
Type	PHE
Model	901
Shaft type	Ø20 mm hollow shaft with keyway
Flange type	86-flange
Output interface	DRIVE-CLiQ
Absolute resolution	34 bit (19 bit singleturn + 15 bit multiturn)
Connection type	2xM12 connectors
Connecting direction	Radial

### Electrical data

Polarity protected	Yes
Current consumption (No load)	100 mA at 24 Vdc
Absolute accuracy	± 100 arcsec
Power supply	9...36 Vdc

## Dimensions



## Supported functions

For detailed commissioning information, please consult the Siemens document SINAMICS S120, Commissioning manual 01/21012.

## Pin Configuration

Function	Pin
8 pin M12	
TX+	7
TX-	6
RX+	3
RX-	4
+E Volt	1
0 Volt	5
4 pin M12	
TEMP+	2
TEMP-	4

## Order information

Part number	1200536-01
-------------	------------