**Inductive Shaft encoder, Absolute**

- 58mm diameter
- Extremely robust design
- Shock and vibration protected
- Inductive scanning

**Encoder configuration**

Type	ISA
Model	608 Multiturn
Shaft type	Ø10 mm shaft with face
Flange type	Clamping flange (61sp-type)
Power supply	9-36 Vdc
Output interface	PROFINET IRT
Absolute resolution	25 bit (13 bit singleturn + 12 bit multiturn)
Connection type	3xM12 connectors
Connecting direction	Radial

**Mechanical data**

Operating temperature	-40 °C...+70 °C
Ingress protection class [IEC 60529]	IP67
Vibration [IEC 60068-2-6]	≤ 300 m/s <sup>2</sup>
Shock [IEC 60068-2-27]	≤ 2000 m/s <sup>2</sup>
Shaft load (axial/radial)	100 / 125 N
Rotational speed max	12000 rpm
Shaft material	Stainless steel
Cover material	Aluminium (anodized)
Weight	430 g

**Electrical data**

Polarity protected	Yes
Current consumption	100 mA at 24 Vdc
Absolute accuracy	± 180 arcsec
Supported profile	Encoder profile 3.162 v.4.1
Baud rate	100 Mbit/s
IP Adress	Assigned dynamically via DCP

## Supported functions

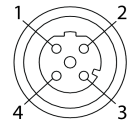
Preset, Scaling, Code sequence, Isosynchronous mode, I&M functions, Velocity

## Pin Configuration

Function	Pin
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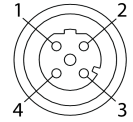
### 4p D-coded M12 (Port 2)

Tx+	1
Rx+	2
Tx-	3
Rx-	4



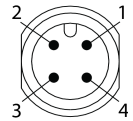
### 4p D-coded M12 (Port 1)

Tx+	1
Rx+	2
Tx-	3
RX-	4



### 4p A-coded M12 (Supply)

+E Volt	1
0 Volt	3



## Order information

Part number

1071032-01