

**Inductive Hollow shaft encoder, Absolute**

- Certified according to ATEX and IECEx\*
- 78 mm diameter
- 31 bit Multiturn resolution
- Inductive scanning
- Stainless steel A4, EN 1.4404/AISI 316L
- \*Please refer to web page for other possible options/performances

**Encoder configuration**

Code key description	648160220
Type	IHA
Model	648 Multiturn stainless steel
Shaft type	Ø16 mm blind hollow shaft
Flange type	Clamping flange
Power supply	9-30 Vdc
Output interface	PROFINET IRT
Absolute resolution	31 bit (19 bit singleturn + 12 bit multiturn)
Connection type	3 x M20 entries for Ex d-certified cable glands
Internal connection	Special tool required, contact Leine & Linde
Connecting direction	Radial

**Mechanical data**

Operating temperature	-40° C.+60° C
Ingress protection class [IEC 60529]	IP67 / IP66 (Encoder body/Shaft inlet)
Vibration [IEC 60068-2-6]	≤ 20 g, 55-2000 Hz
Shock [IEC 60068-2-27]	100 g, 11 ms / 200 g, 6 ms
Shaft load (axial/radial)	50 / 60 N
Rotational speed max	500 rpm
Shaft material	Stainless steel A4, AISI 316L/EN 1.4404
Cover material	Stainless steel A4, AISI 316L/EN 1.4404
Weight	2600 g
Certification ATEX	EX II 2G Ex db IIC T6, EX II 2D Ex tb IIIC T85 °C
Certification IECEx	Ex db IIC T6, Ex tb IIIC T85 °C

**Electrical data**

Polarity protected	Yes
Current consumption	100 mA at 24 Vdc
Absolute accuracy	± 100 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

### Special tool required

Function	Pin
+E Volt	1
0 Volt	2
TX+_1	9
TX-_1	10
RX+_1	11
RX-_1	12
TX+_2	15
TX-_2	16
RX+_2	17
RX-_2	18

## Order information

Part number	1086372-01
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