



SERIE XQ SSI

DRAW WIRE SSI ENCODER

- SSI output
- Singleturn resolution 13 bits
- Magnetic technology
- Protection class IP51 according to DIN EN 60529
- Connection by industrial connector D-Sub 9p



Linear measurement system



Incremental Encoder



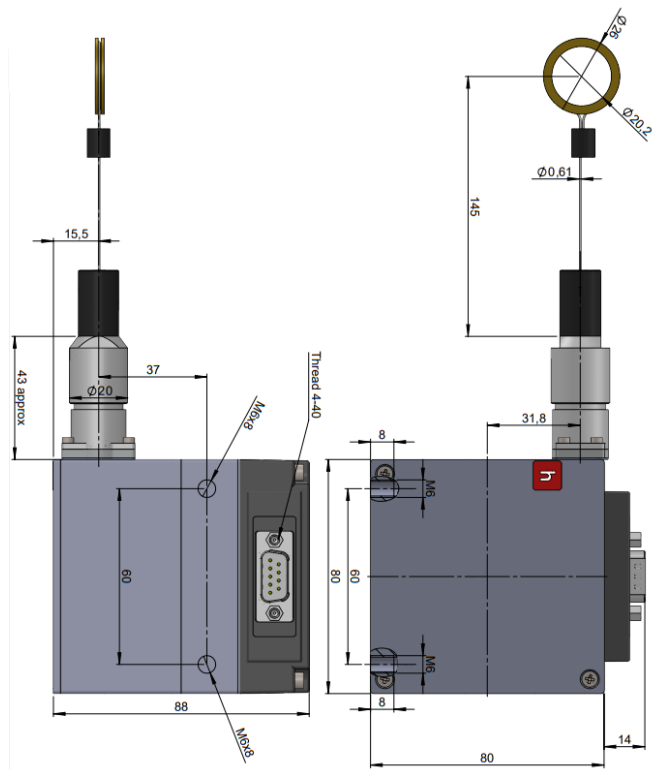
Compact



Vibration and shock resistant



Express Delivery



Drawing mechanical option type 1, connection type 1

REFERENCE Reference example: XQ1-SSI-121-10819

Serie	Mechanical option	Interface	Connection	Code	Power Supply / Electronic output	Resolution	Measurement range	Special customer
XQ	<input type="checkbox"/> -	SSI -	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> -	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	1. Option A - 80x80x88 mm	SSI. SSI	1. D-Sub 9p	1. Binary 2. Gray	1. 11..30 VDC	10. 0.1 mm (10 pulse/mm)		R00C. Measurement range 819,2mm + 190mm LO

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MECHANICAL SPECIFICATIONS

Materials	Cover: Plastic Housing: Aluminium
Travel	204.8 mm per turn
Cable	Ø 0.61 stainless steel AISI316
Measurement range, up to (mm)	819.2 mm.
Maximum cable extension (mm)	910 mm
Minimum cable static tension	6 N
Maximum cable static tension	9 N
Maximum speed	1 m/s
Protection against dust and splashes according to DIN EN 60529	IP51
Operating temperature range	-20°C to +50°C
Weight	0.9 kg.
Vibration according to DIN EN 60068-2-6	100 m/s ² (10Hz...2000Hz)
Shock according to DIN EN 60068-2-27	1000 m/s ² (6ms)

ELECTRICAL SPECIFICATIONS

Interface	
Electronic output	RS422
Power supply (VDC)	11...30 VDC
Consumption	≤ 100 mA
Code	Binary Gray
Protocol	SSI
Singleturn resolution	13 bits
Repeatability	±1 digit
Accuracy	±1 digit
Max. load capability / channel	±20 mA
“Low” signal level	< 0,8 VDC
“High” signal level	2 ... 5,5 VDC
Frequency	50 kHz...2 MHz
Short circuit protection	Yes
Protection polarity inversion	Yes

CONNECTION



	Connector D-Sub 9p
NOT CONNECTED	1
SSI CK-	2
SSI DT+	3
VCC 24V	4
0V	5
SSI CK+	6
SSI DT-	7
0V SSI	8
PRESET	9
CASE	Shield