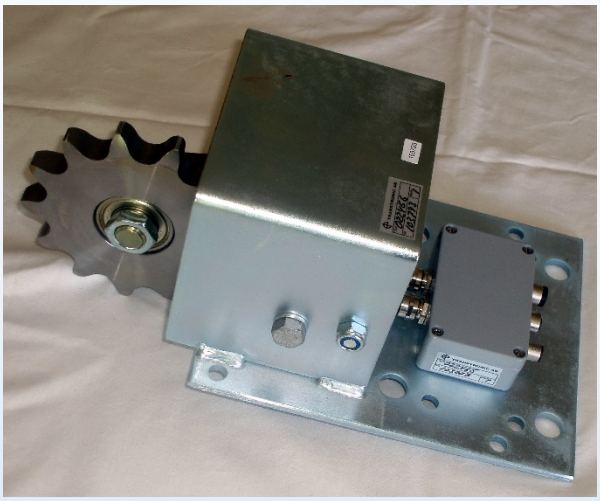
Length transducer, Chain
022454, 022455, 022456, 022457, 022458

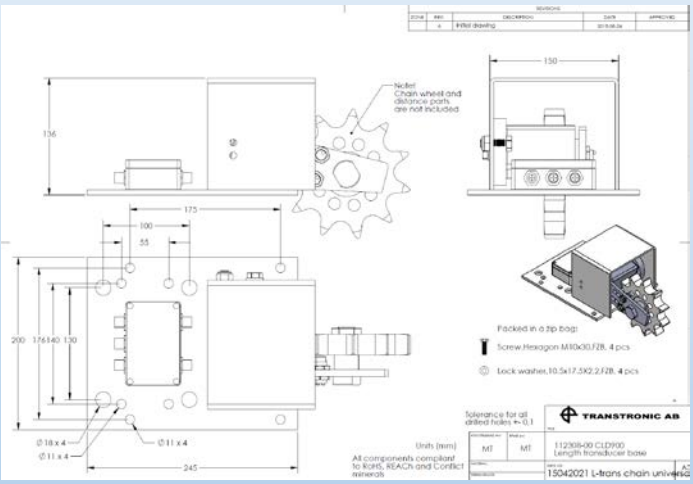


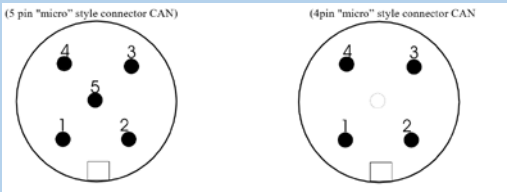
The length transducer measures the movement of the chain that moves the cradle

The measurement is done by proximity switches against the sprockets.

Normally used as a length sensor, measuring the drilled depth on drilling rigs.

The transducer has 2 connectors for the CAN-Open communication including power supply and one connector with 2 digital inputs.





PIN	Signal	PIN	Signal
1	Not Connected	1	10..30V DC (Supply voltage)
2	10..30V DC (Supply voltage)	2	Signal 1 active Low
3	GND / 0V	3	GND / 0V
4	CAN_H (dominant high)	4	Signal 2 active High
5	CAN_L (dominant low)		

Technical data

Supply voltage	10 – 30 VDC	
Power supply	<100mA	
Sprocket wheel	022454	2''
	022455	11/2''
	022456	11/4''
	022457	1''
	022458	¾''
Digital inputs	2	
Type	Signal 1: Active high/ Signal 2: Active low	
Bus Connection	CANOpen (ISO11896)	
Nod ID	Default 1	
Housing	Steel housing, zinc plated	
Mounting	Various possibilities	
Connections		
CAN-bus	Standard M12 A-code plug, 5 pin Male/Female	
Digital Input	Standard M12 A-code plug, 4 pin Male	
Operating temp.	-40 - +70°C	
Protection	IP67	

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