

Encoder Heidenhain ERN 1387

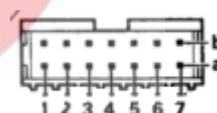
The encoder ERN 1387 is an incremental-type encoder. Incremental signals are *sin-cos signals*.

Technical data	Line counts	2048
	Power supply	5 V $\pm$ 5%
	Current consumption (without load)	$\leq$ 130 mA

The encoder must be connected to the inverter according to the specification in Table 6. Cable shield must be connected to housing. The feeding of the sensor is connected inside to the main feeding.

Table 6. Match between connector/color of the wires of pulse generator ERN 1387 with signals transmitted by the inverter

Signal	Encoder pin		Signal	Encoder pin
Up sensor	7a		C+	7b
Up	1b		C-	1a
0 V Un	5b		D+	2b
0 V	3a		D-	6a
A +	6b		R+	4b
A -	2a		R-	4a
B +	3b		B-	5a



Mounting Instructions

1. SW3/SW4 O

2. M5 x 50 DIN 6912 8.8
 $M_d = 5 \pm 0.5 \text{ Nm}$
 Mehrfachverwendung max. 3x
 For multiple use, max. 3x
 Utilisation répétée 3x max
 Riutilizzo max 3x
 Uso multiple max. 3 veces

3. SW4 O

4. SW2 O
 $M_d = 1.25 - 0.2 \text{ Nm}$

5. ID 332 199-xx
 ID 332 200-xx

6. Kabel einclicken und auf Anschlag schieben
 Click cable into place, and push it in as far as possible
 Encloquer le câble et le pousser jusqu'en butée
 Fissare il cavo e spingere fino in battuta
 Deslizar el cable y deslizarlo hasta el tranco

7. $M_d = 5 \pm 0.5 \text{ Nm}$

Demontage in umgekehrter Reihenfolge
Disassembly in reverse order
Démontage dans l'ordre inverse
Smontaggio in sequenza inversa
Desmontaje en orden contrario

Zwei Möglichkeiten zum Abdrücken während der Demontage des Drehgebers
 Two ways of pressing the encoder out during dismounting
 Deux possibilités de démontage du capteur rotatif
 Due possibilità di smontaggio dell'encoder
 Dos posibilidades de aflojar durante el desmontaje del encoder

a) M5

b) M6 x 70

Refer to Heidenhain catalogue: