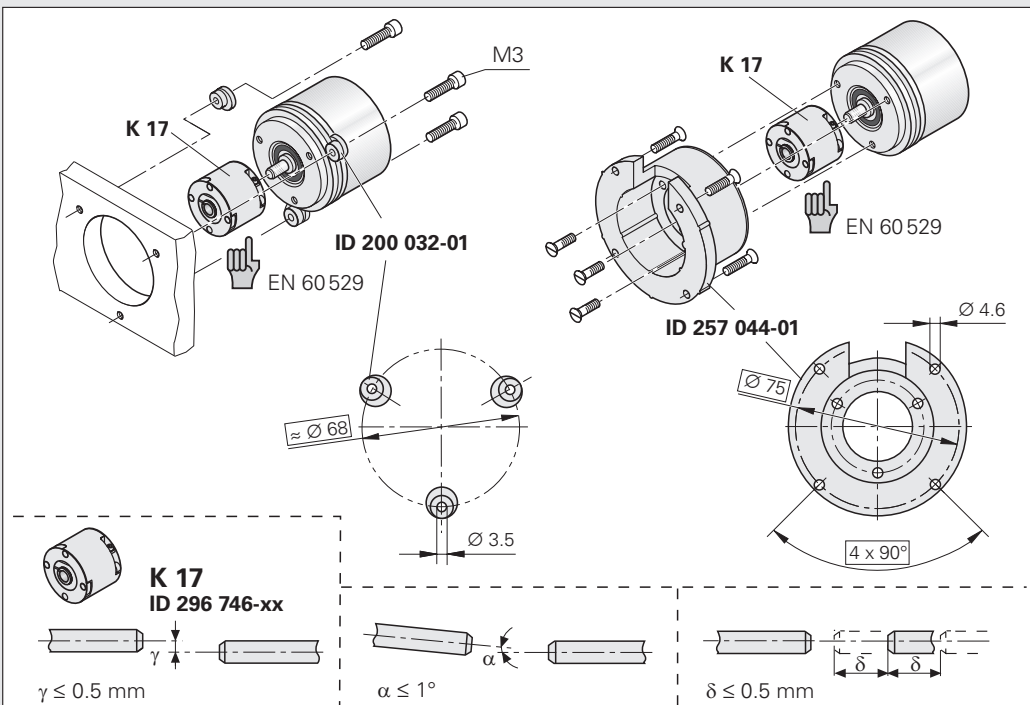


# HEIDENHAIN

Montageanleitung  
 Mounting Instructions  
 Instructions de montage  
 Istruzioni di montaggio  
 Instrucciones de montaje

## ROD 486

2/2004



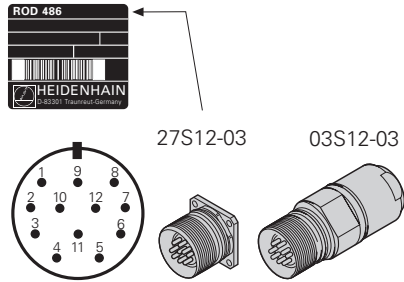
**DR. JOHANNES HEIDENHAIN GmbH**  
 Dr.-Johannes-Heidenhain-Straße 5  
 83301 Traunreut, Germany  
 ☎ +49 (86 69) 31-0  
 📠 +49 (86 69) 50 61  
 E-Mail: info@heidenhain.de

**Technical support** 📠 +49 (86 69) 32-1000  
**Measuring systems** ☎ +49 (86 69) 31-31 04  
 E-Mail: service.ms-support@heidenhain.de  
**TNC support** ☎ +49 (86 69) 31-31 01  
 E-Mail: service.nc-support@heidenhain.de  
**NC programming** ☎ +49 (86 69) 31-31 03  
 E-Mail: service.nc-pgm@heidenhain.de  
**PLC programming** ☎ +49 (86 69) 31-31 02  
 E-Mail: service.plc@heidenhain.de  
**Lathe controls** ☎ +49 (86 69) 31-31 05  
 E-Mail: service.lathe-support@heidenhain.de

**www.heidenhain.de**

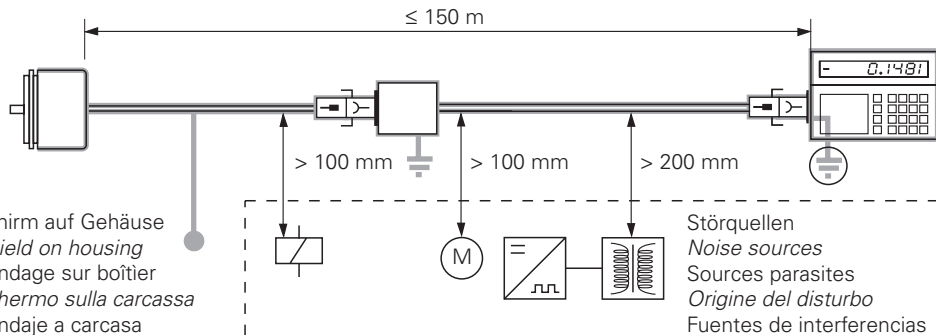


# ROD 486



5	6	8	1	3	4	12	10	2	11	7	/
A		B		R		5V U <sub>P</sub>	0V U <sub>N</sub>	5V sensor	0V sensor	/	/
+	-	+	-	+	-						
braun brown brun marrone marrón	grün green vert verde verde	grau gray gris grigio gris	rosa pink rose rosa rosa	rot red rouge noir rosso rojo	schwarz black noir noir nero negro	braun/grün brown/green brun/vert marrone/verde marrón/verde	weiß/grün white/green blanc/vert bianco/verde blanco/verde	blau blue bleu azzurro azul	weiß white blanc bianco blanco	violett violet violet violeta violeta	gelb yellow jaune giallo amarillo

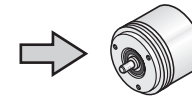
Die Sensorleitung ist intern mit der Versorgungsleitung verbunden.  
*The sensor line is connected internally with the power supply.*  
 La ligne de palpeur est reliée de manière interne à la ligne d'alimentation.  
 La linea del sensore è collegata internamente con la linea di alimentazione.  
 La línea de sensor está unida internamente con la línea de alimentación.



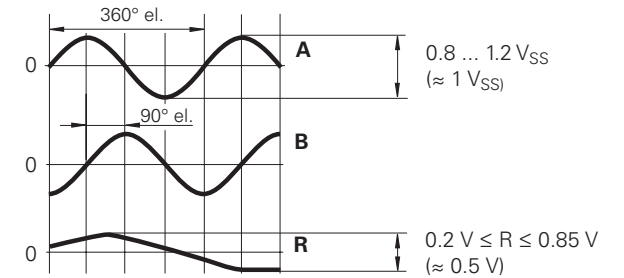
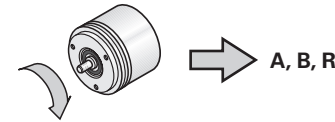
Schirm auf Gehäuse  
 Shield on housing  
 Blindage sur boîtier  
 Schermo sulla carcassa  
 Blindaje a carcasa

Störquellen  
 Noise sources  
 Sources parasites  
 Origine del disturbo  
 Fuentes de interferencias

U<sub>P</sub> = 5 V ± 10%  
 (I max. 120 mA)



EN 50 178/4.98; 5.2.9.5  
 IEC 364-4-41: 1992; 411(PELV/SELV)  
 (siehe, see, voir, vedi, véase  
 HEIDENHAIN D 231 929)



				max. <b>40 N</b> (≤ 6 000 min <sup>-1</sup> ) max. <b>10 N</b> (≤ 16 000 min <sup>-1</sup> )
Ø 6 mm	R <sub>1</sub> ≥ 20 mm	R <sub>2</sub> ≥ 75 mm		
				max. <b>60 N</b> (≤ 6 000 min <sup>-1</sup> ) max. <b>20 N</b> (≤ 16 000 min <sup>-1</sup> )
Ø 8 mm	R <sub>1</sub> ≥ 40 mm	R <sub>2</sub> ≥ 100 mm		

°C  
(°F)

-30 ... 80 °C  
(-22 ... 176 °F)