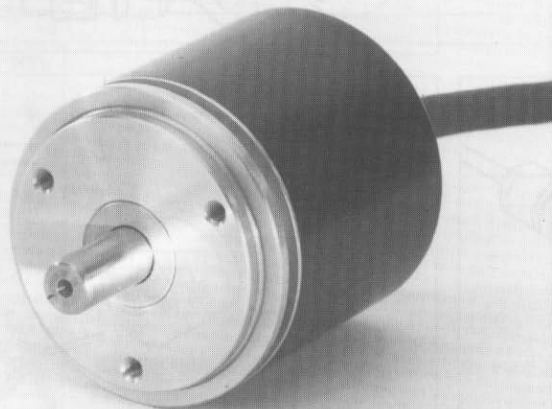




HEIDENHAIN



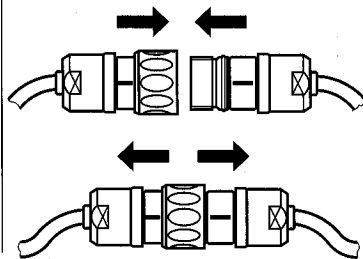
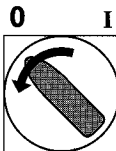
Montageanleitung
Mounting Instructions
Instructions de montage
Istruzioni di montaggio
Instrucciones de montaje

ROC 408
ROC 409
ROC 410

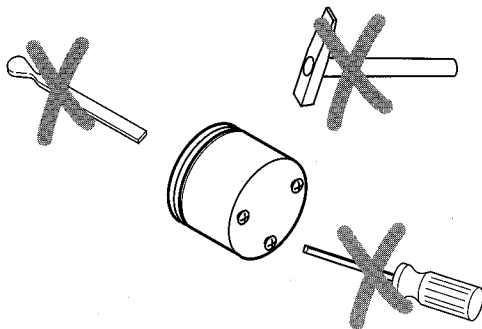
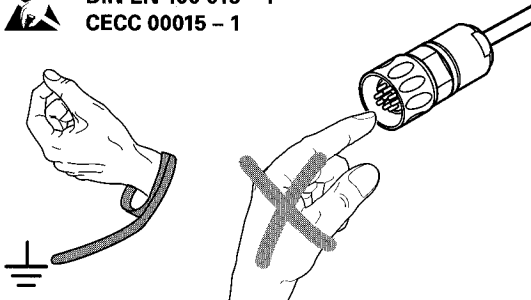


1.

2.



DIN EN 100 015 - 1
CECC 00015 - 1



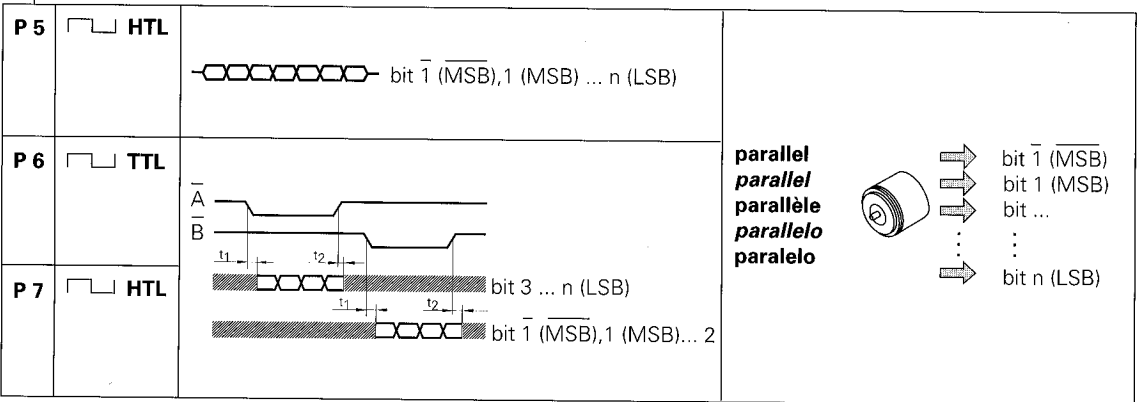
ROC 408. xGxx
ROC 409. xGxx
ROC 409. xExx
ROC 410. xGxx

3 $U_P = 10...30V$
5 $U_P = 5V \pm 5\%$

G Gray
E Gray-Excess

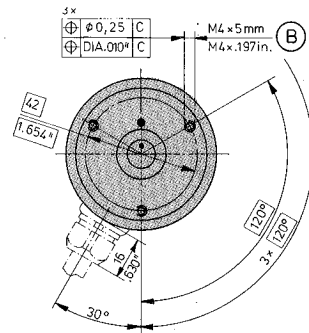
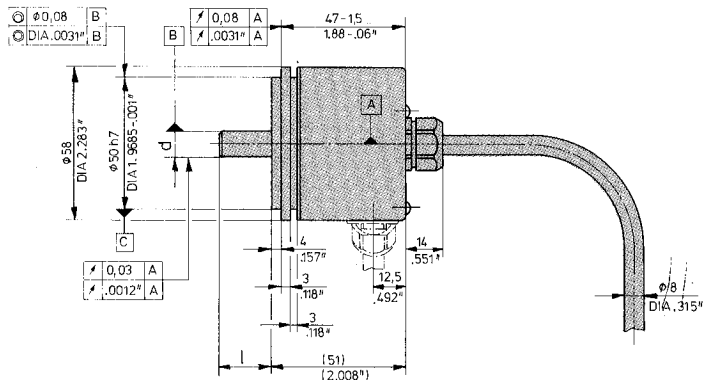
08B00 $2^8 = 256 [1/360^\circ]$
09B00 $2^9 = 512 [1/360^\circ]$
10B00 $2^{10} = 1\,024 [1/360^\circ]$
00360 $360 [1/360^\circ]$

R O C 4 1 0 . 3 G P 5 - 0 8 B 0 0



ROC 408/ROC 409/ROC 410

mm/inches



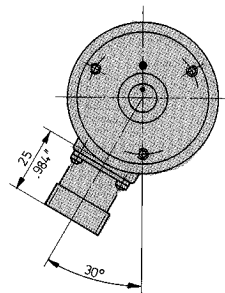
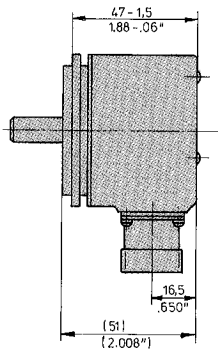
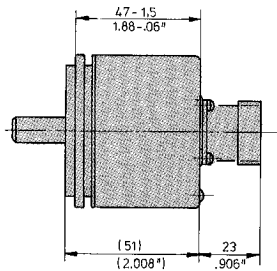
A Lagerung
ball bearing
roulement à billes
cuscinetto
rodamiento

B Befestigungsgewinde
threaded mounting hole
trou de fixation taraudé
filettatura di fissaggio
rosca de fijación

$\emptyset d$		l
10	- 0.01 - 0.02	20+1
.3937	- .0004" - .0008"	.787"+.039"
6	- 0.01 - 0.02	10+1
.2362	- .0004" - .0008"	.394"+.039"

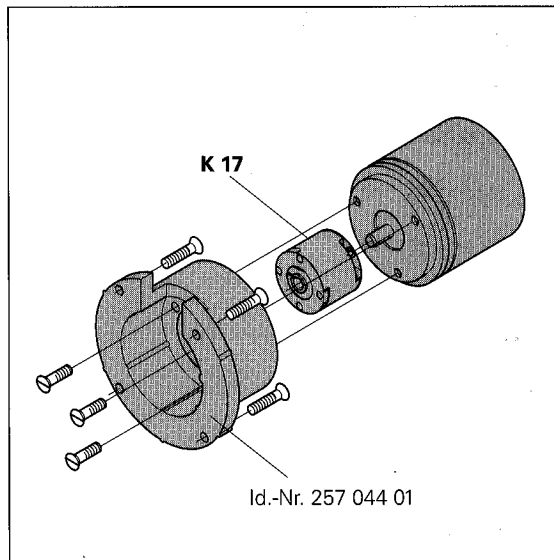
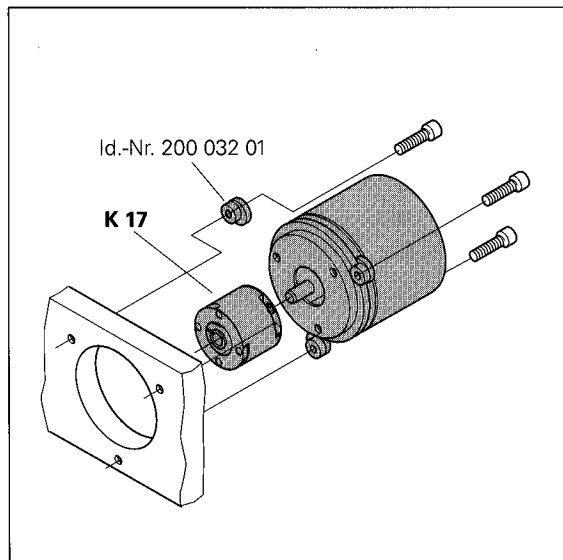
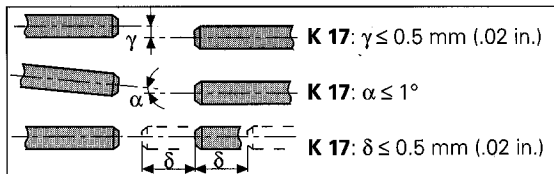
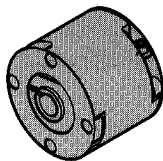
ROC 408/ROC 409/ROC 410

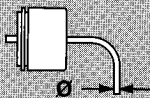
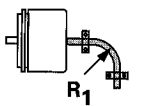
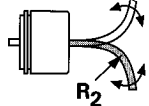

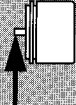
 mm/inches


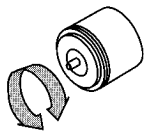

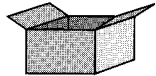
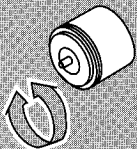


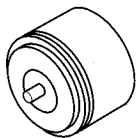


K 17
Id.-Nr. 226 525 ..



				<p>max. 10 N ($\leq 10\,000\text{ min}^{-1}$)</p>
<p>Ø 8 mm (DIA .315 in.)</p>	<p>$R_1 \geq 40\text{ mm}$ (1.6 in.)</p>	<p>$R_2 \geq 100\text{ mm}$ (4 in.)</p>		<p>max. 20 N ($\leq 10\,000\text{ min}^{-1}$)</p>

		<p>ROC 4xx.3xxx -25 ... 70 °C (-13 ... 158 °F)</p>		<p>IP 65 IEC 529 EN 60 529</p>
		<p>ROC 4xx.5xxx -20 ... 85 °C (-4 ... 185 °F)</p>	<p>ROC 4xx.xxxx -30 ... 100 °C (-22 ... 212 °F)</p>	<p>$M_d \leq 0.01\text{ Nm}$ (20 °C) $I = 1.6 \cdot 10^{-6}\text{ kgm}^2$ $\alpha \leq 1 \cdot 10^4\text{ rad/s}^2$</p>

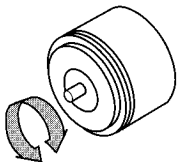


$U_P = 5\text{ V} \pm 5\%$
(ROC 4xx. 5xP6 max. 95 mA)

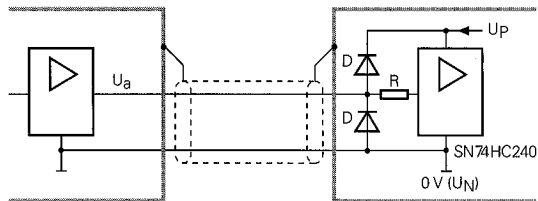
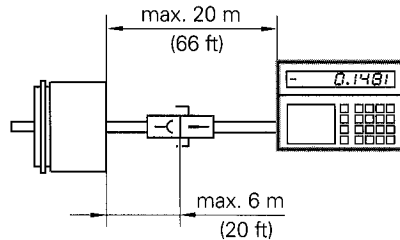
$U_P = 10 \dots 30\text{ V}$
(ROC 4xx. 3xP6 max. 220 mA)



IEC 742
EN 50 178

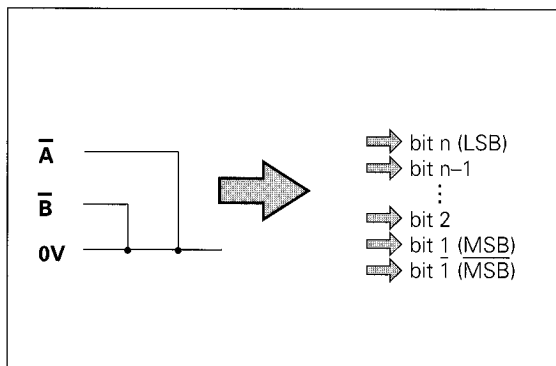
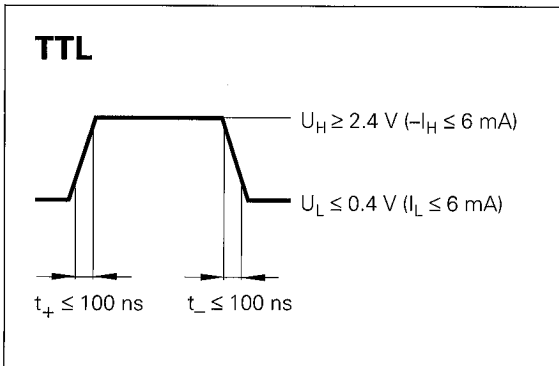
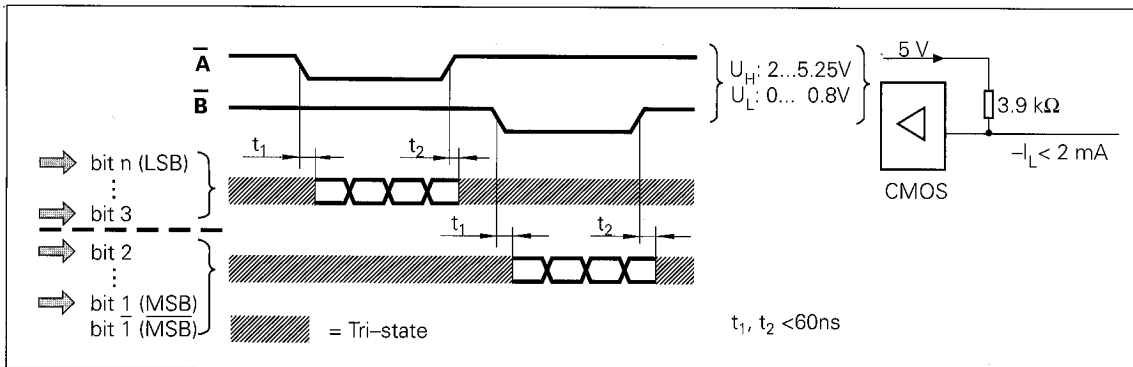


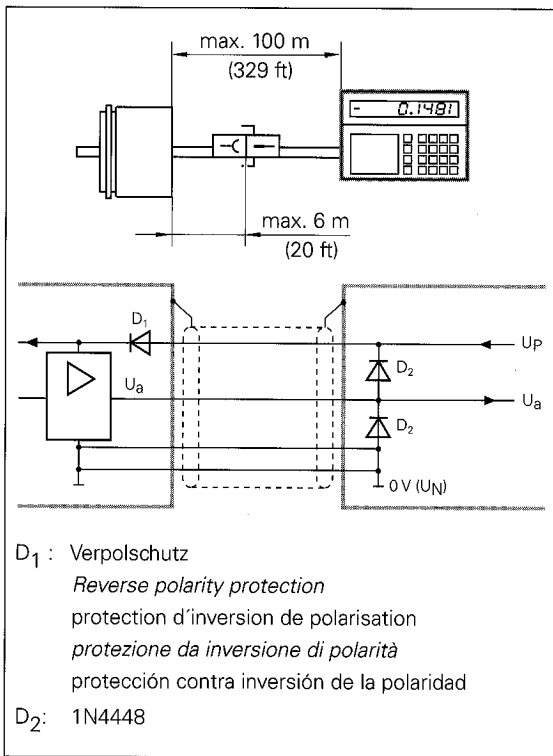
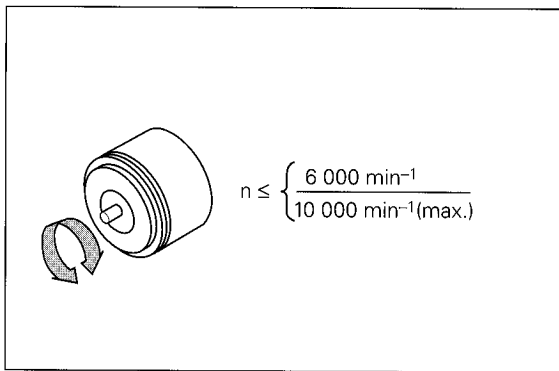
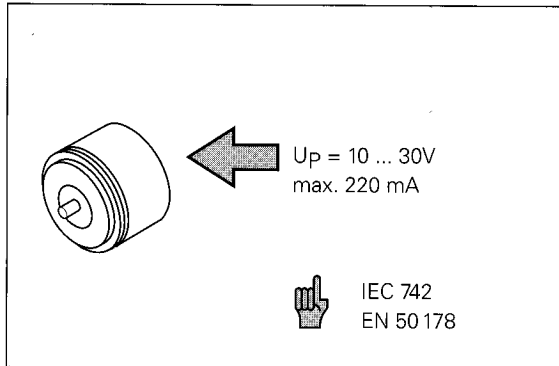
$n \leq \begin{cases} 6\,000\text{ min}^{-1} \\ 10\,000\text{ min}^{-1}(\text{max.}) \end{cases}$

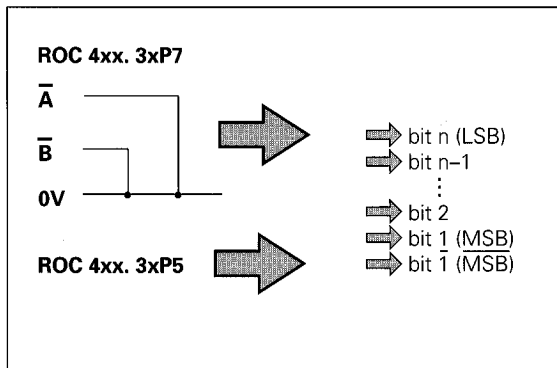
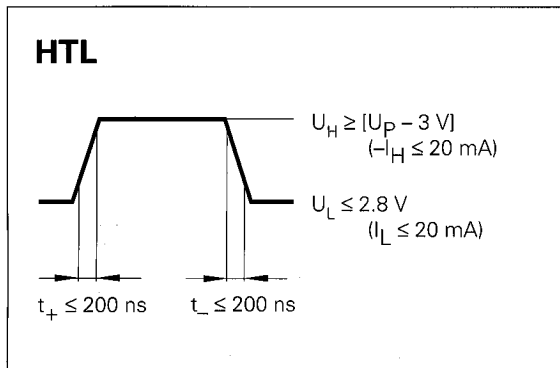
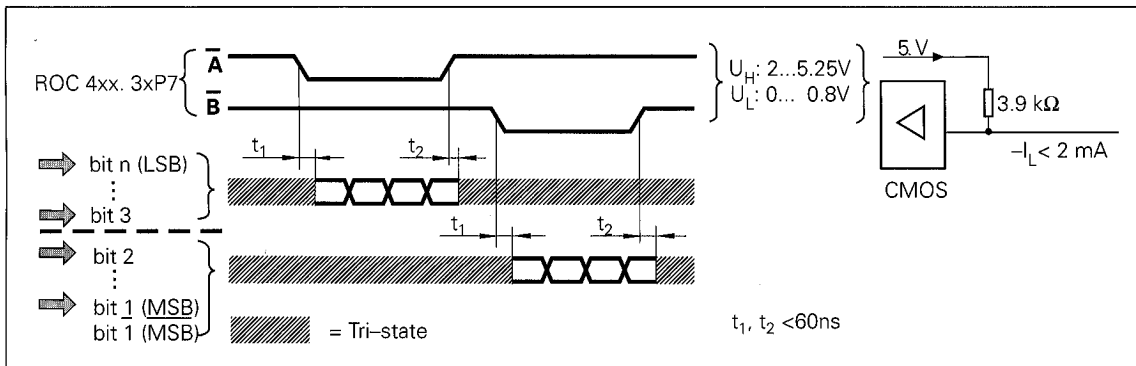


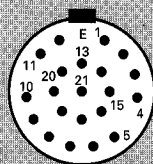
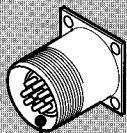
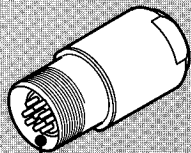
D: 1N 4448

R = 10 k Ω



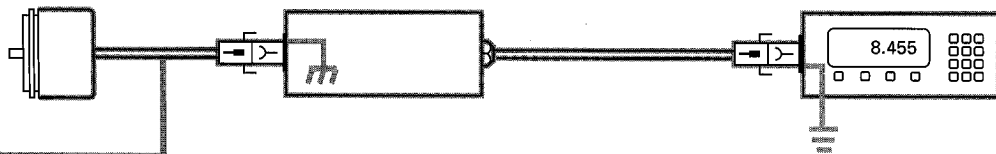






Schirm
shield
blindage
schermo
blindaje

1	2	3	4	5	6
0 V (U _N)	U _P	\bar{A} 4)	\bar{B} 4)	bit 10 3)	bit 9 2)
weiß white blanc bianco blanco	braun brown brun marrone marrón	grün green vert verde verde	gelb yellow jaune giallo amarillo	grau gray gris grigio gris	rosa pink rose rosa rosa
7	8	9	10	11	12
bit 8 1)	bit 7	bit 6	bit 5	bit 4	bit 3
blau blue bleu azzurro azul	rot red rouge rosso rojo	schwarz black noir nero negro	violett violet violet viola violeta	grau/rosa gray/pink gris/rose grigio/rosa gris/rosa	rot/blau red/bleu rouge/bleu rosso/azzurro rojo/azul



13	14	15	16	17	18
bit 2	bit 1 MSB	0 V sensor	U_p sensor	bit 1 MSB	/
weiß/grün white/green blanc/vert bianco/verde blanco/verde	braun/grün brown/green brun/vert marrone/verde marrón/verde	weiß/gelb white/yellow blanc/jaune bianco/giallo blanco/amerillo	gelb/braun yellow/brown jaune/brun giallo/marrone amarillo/marrón	weiß/grau white/gray blanc/gris bianco/grigio blanco/gris	grau/braun gray/brown gris/brun grigio/marrone gris/marrón
19	20	21	/	1) bit 8= LSB (ROC 408) 2) bit 9= LSB (ROC 409) 3) bit 10= LSB (ROC 410) 4) ROC 4xx.xxP6 ROC 4xx.xxP7	
/	/	/	/		
weiß/rosa white/pink blanc/rose bianco/rosa blanco/rosa	rosa/braun pink/brown rose/brun rosa/marrone rosa/marrón	weiß/blau white/blue blanc/blue bianco/azzurro blanco/azul	braun/blau brown/blue brun/bleu marrone/azzurro marrón/azul		

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