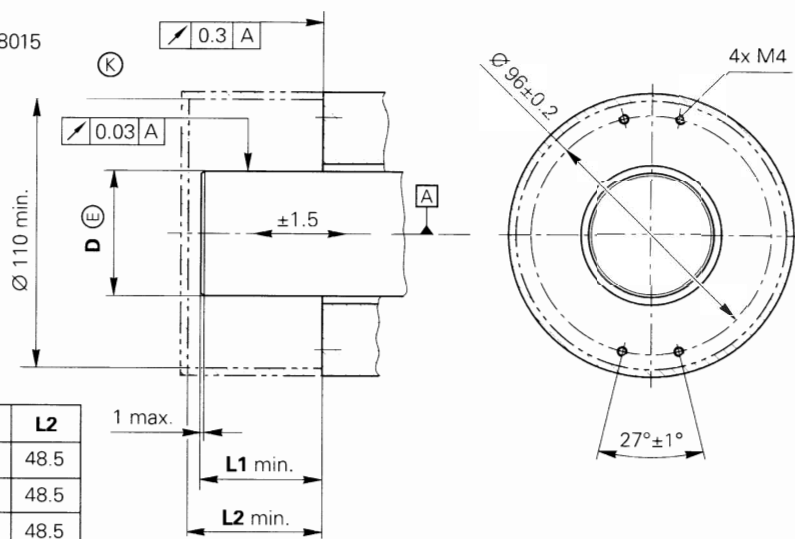


mm
Tolerancing ISO 8015
ISO 2768 - m H

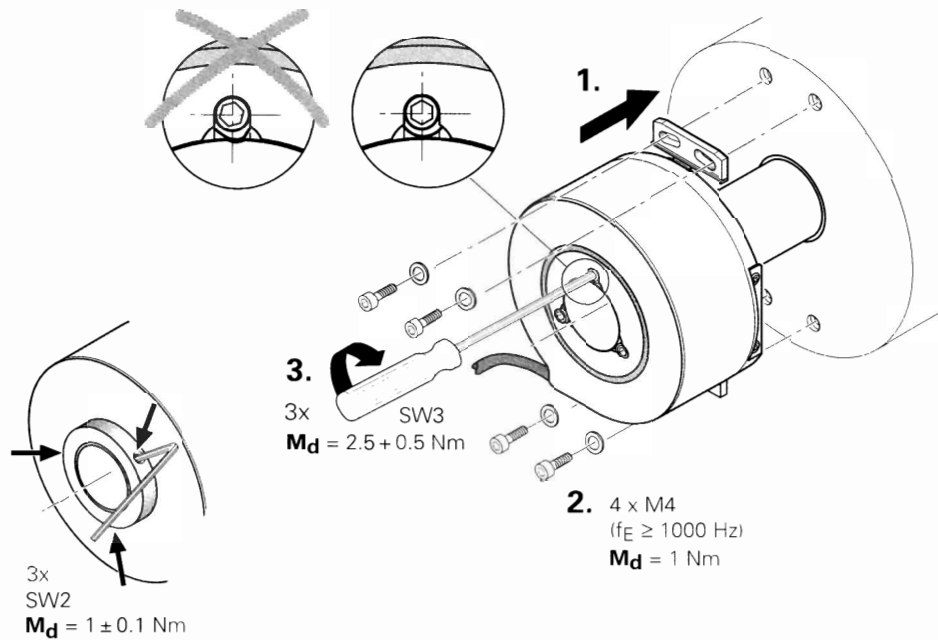
EN 60 529



D	L1	L2
Ø 20h7	46	48.5
Ø 25h7	46	48.5
Ø 28h7	46	48.5
Ø 30h7	46	48.5
Ø 38h7	56	58.5
Ø 40h7	56	58.5
Ø 48h7	56	58.5
Ø 50h7	56	58.5

Ⓚ = Kundenseitige Anschlussmaße
Required mating dimensions
Conditions requises pour le montage
Quote per il montaggio
Cotas de montaje requeridas

Ⓐ = Lagerung
Bearing
Roulement
Cuscinetto
Rodamiento



ERN 120

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

10/2003



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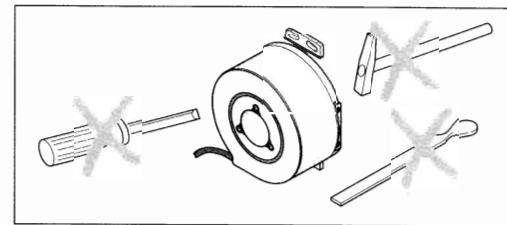
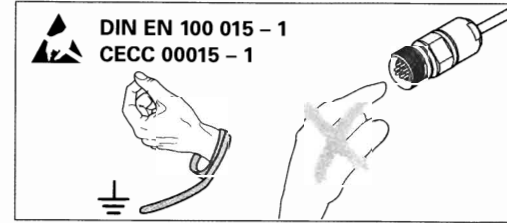
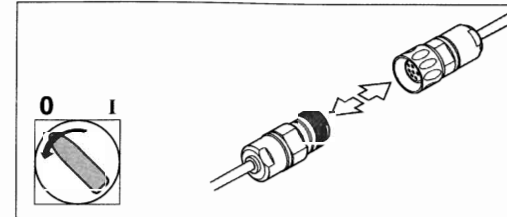
PLC programming ☎ +49 (86 69) 31-31 02

e-mail: service.plc@heidenhain.de

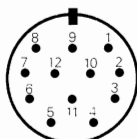
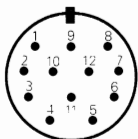
Lathe controls ☎ +49 (7 11) 95 28 03-0

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ERN 120



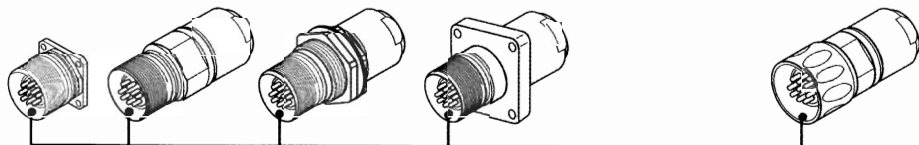
27S12-03

03S12-03

80S12-03

35S12-03

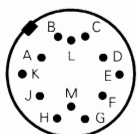
02S12-03



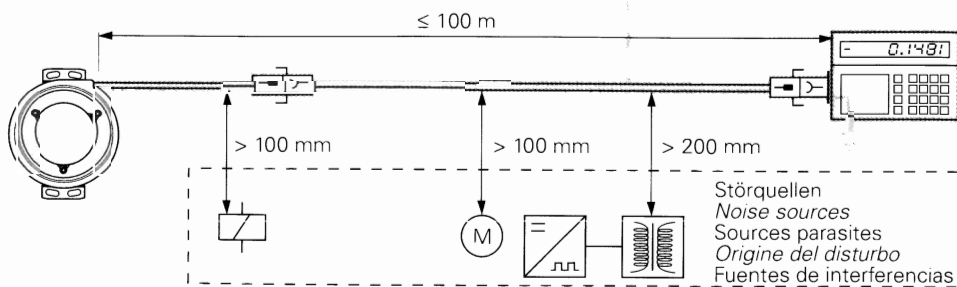
5	6	8	1	3	4	2	11	Schirm Shield Blindage Schermo Blindaje	12	10	7
U_{a1}	$\overline{U_{a1}}$	U_{a2}	$\overline{U_{a2}}$	U_{a0}	$\overline{U_{a0}}$	5V sensor	0V sensor		5V U_p	0V U_N	$\overline{U_{aS}}$
braun brown brun marrone marrón	grün green vert verde verde	grau gray gris grigio gris	rosa pink rose rosa rosa	rot red rouge rosso rojo	schwarz black noir nero negro	blau blue bleu azzurro azul	weiß white blanc bianco blanco		braun/grün brown/green brun/vert marrone/verde marrón/verde	weiß/grün white/green blanc/vert bianco/verde blanco/verde	violett violet violet viola violeta



28S12-32



E	F	H	A	C	D	B	L	Schirm Shield Blindage Schermo Blindaje	M	K	G
U_{a1}	$\overline{U_{a1}}$	U_{a2}	$\overline{U_{a2}}$	U_{a0}	$\overline{U_{a0}}$	5V sensor	0V sensor		5V U_p	0V U_N	$\overline{U_{aS}}$
braun brown brun marrone marrón	grün green vert verde verde	grau gray gris grigio gris	rosa pink rose rosa rosa	rot red rouge rosso rojo	schwarz black noir nero negro	blau blue bleu azzurro azul	weiß white blanc bianco blanco		braun/grün brown/green brun/vert marrone/verde marrón/verde	weiß/grün white/green blanc/vert bianco/verde blanco/verde	violett violet violet viola violeta



$$U_p = 5V \pm 10\% \text{ (max. 150 mA)}$$

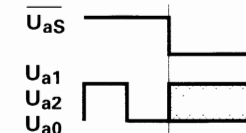


EN 50 178/4-98: 5.2.9.5
IEC 364-4-41 1992: 411(PELV/SELV)
(siehe, see, voir, vedi, véase
HEIDENHAIN D 231 929)

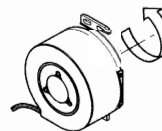
$\overline{U_{aS}}$: Störungssignal
Fault detection signal
Signal de perturbation
Segnale di malfunzionamento
Señal de avería

$\overline{U_{aS}}$ = High: ✓

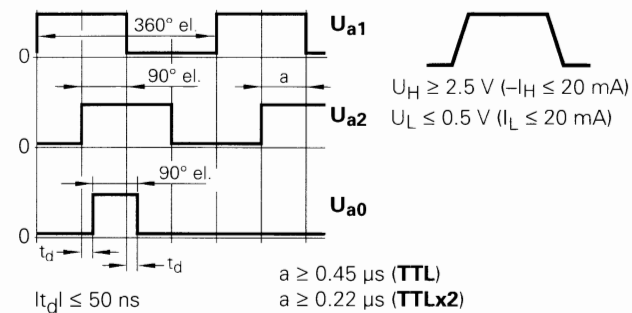
$\overline{U_{aS}}$ = Low: ⚠



TTL/TTLx2



$\overline{U_{a1}}, \overline{U_{a2}}, \overline{U_{a0}}$
 $\overline{U_{a1}}, \overline{U_{a2}}, \overline{U_{a0}}, \overline{U_{aS}}$



Ø 6 mm	$R_1 \geq 20 \text{ mm}$	$R_2 \geq 75 \text{ mm}$
Ø 8 mm	$R_1 \geq 40 \text{ mm}$	$R_2 \geq 100 \text{ mm}$