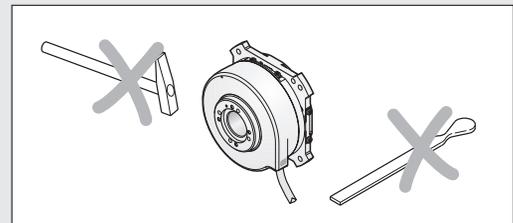
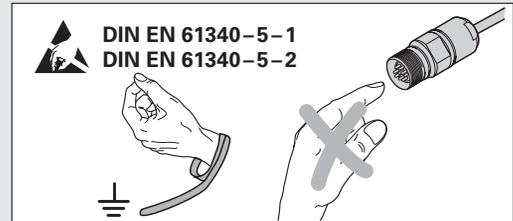
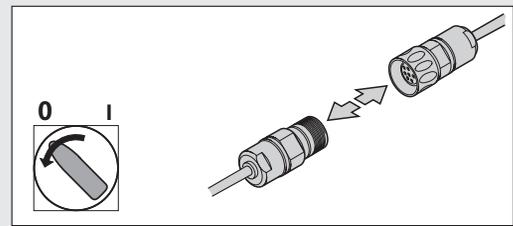


12	2	10	11	5	6	8	1	3	4	7	/	9
U _P	Sensor U _P	0V	Sensor 0V	U _{a1}	U _{a1}	U _{a2}	U _{a2}	U _{a0}	U _{a0}	U _{aS}	/	/
BNGN	BU	WHGN	WH	BN	GN	GY	PK	RD	BK	VT	YE	/

Kabelschirm mit Gehäuse verbunden
 Cable shield connected to housing
 Blindage du câble relié au boîtier
 Collegare lo schermo del cavo alla carcassa
 Pantalla del cable conectada a carcasa

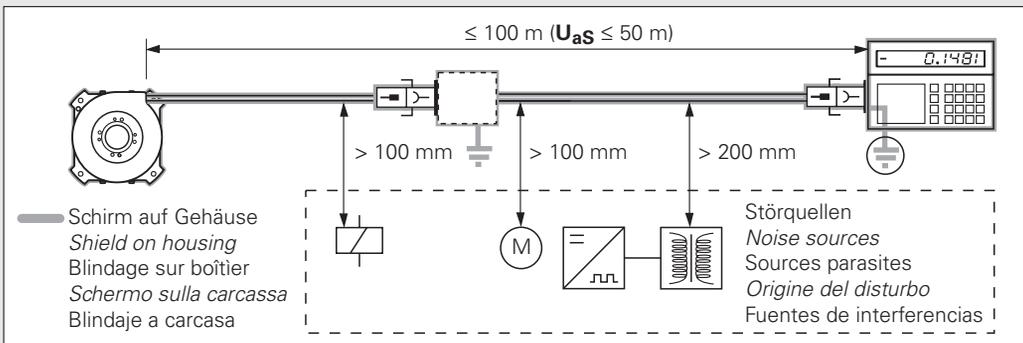


HEIDENHAIN

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

ERN 120

4/2008



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

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WELLA1: 23C, 23D
KUPPA1: 38
ANELA1: 02S12, 03S12
BELEA1: 03



ERN 120

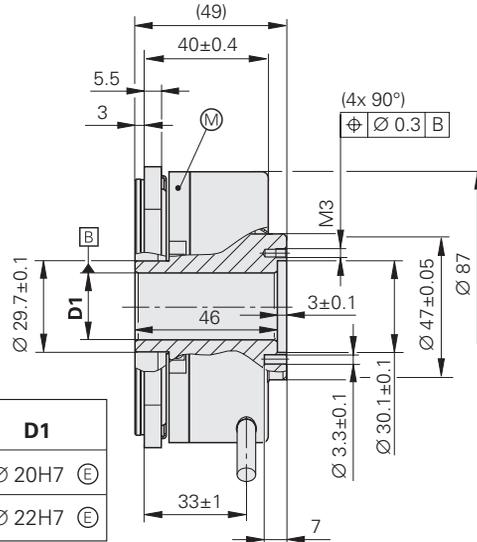
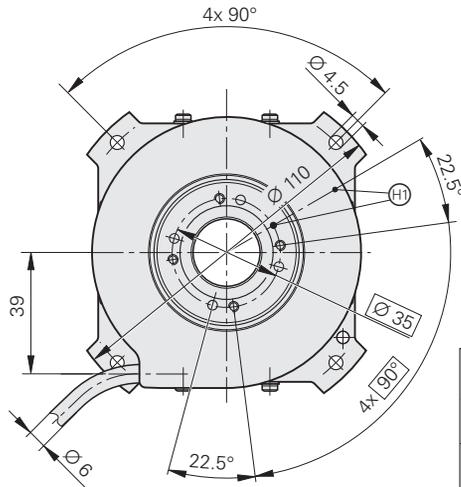
mm



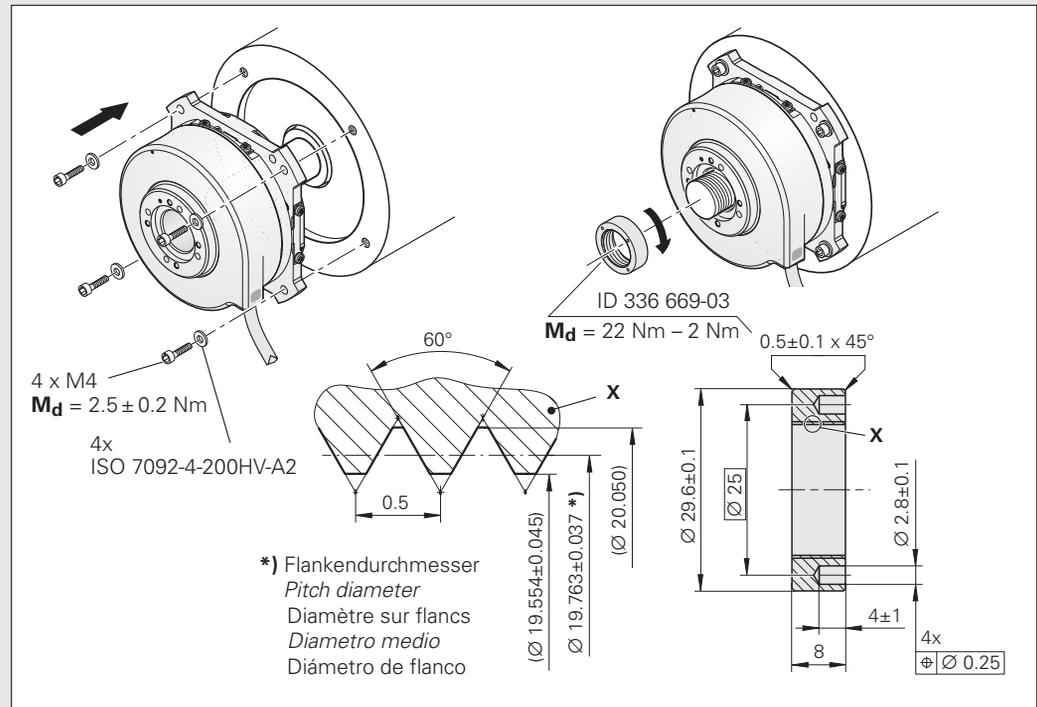
Tolerancing ISO 8015
ISO 2768 - m H
< 6 mm: ±0.2 mm

Ⓜ = Referenzmarken-Lage ±15°
Reference mark position ±15°
Marque de référence ±15°
Indici di riferimento ±15°
Marca de referencia ±15°

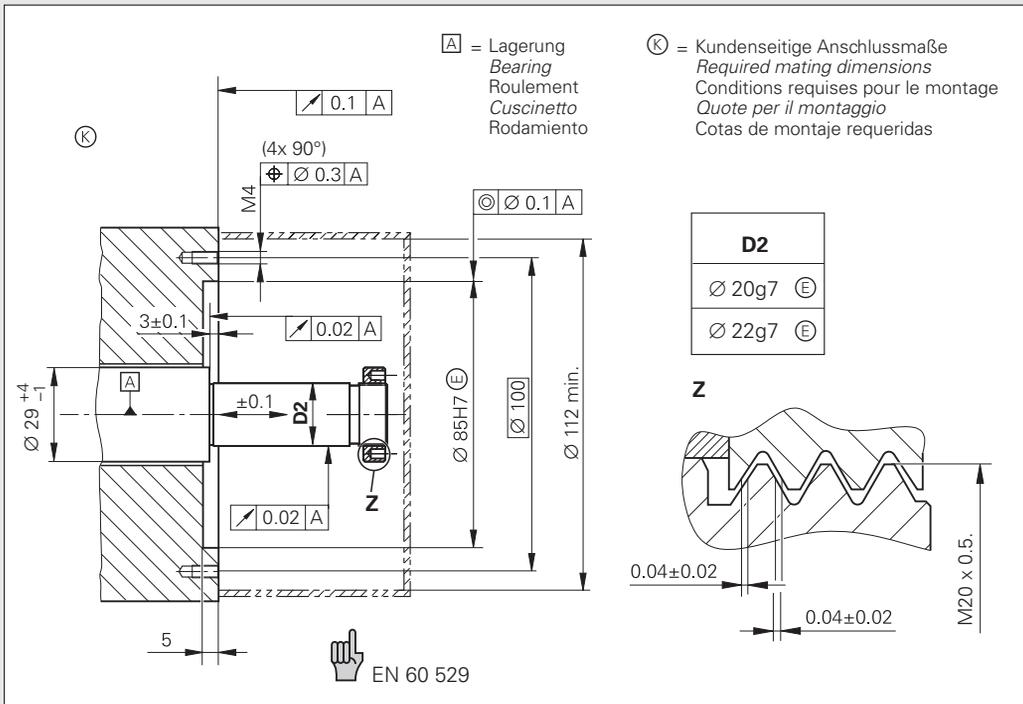
Ⓜ = Meßpunkt Arbeitstemperatur
Operating temperature measuring point
Température de travail point de mesure
Temperatura di lavoro punto di misurazione
Punto de medición de la temperatura de trabajo



D1	
Ø 20H7	E
Ø 22H7	E



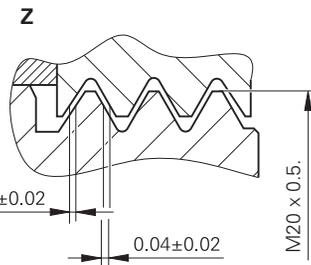
*) Flankendurchmesser
Pitch diameter
Diamètre sur flancs
Diámetro medio
Diámetro de flanco



Ⓜ = Lagerung
Bearing
Roulement
Cuscinetto
Rodamiento

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

D2	
Ø 20g7	E
Ø 22g7	E



EN 60 529

U_p = 5V ± 10 %
(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 231 929-01-A-01)

U_{as}: Störungssignal
Fault detection signal
Signal de perturbation
Segnale di malfunzionamento
Señal de avería

U_{as} = High: ✓

U_{as} = Low: ⚠

TTL

U_{a1}, U_{a2}, U_{a0}
U_{a1}, U_{a2}, U_{a0}, U_{as}

TTL : a ≥ 0.43 µs
TTL x 2: a ≥ 0.22 µs

|t_d| ≤ 50 ns

U_H ≥ 2.5 V (-I_H ≤ 20 mA)
U_L ≤ 0.5 V (I_L ≤ 20 mA)