

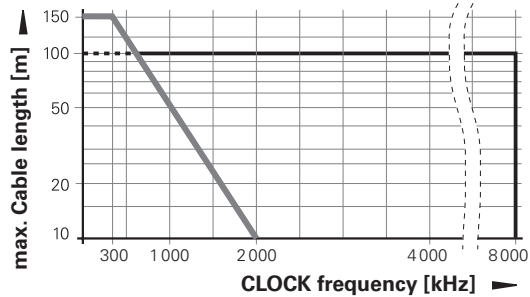
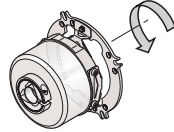
U_p = 3.6 V ... 14 V DC

am Gerät, at encoder, sur l'appareil, integrato, en el aparato

	ohne Last Without load sans charge senza carico sin carga	mit Last, Alterung und Temperatur bei 3,6 V With load, aging and temperature at 3.6 V avec charge, vieillissement et température à 3,6 V con carico, invecchiamento e temperatura a 3,6 V con carga, envejecimiento y temperatura a 3,6 V
ECN	I max. 105 mA	+ 60 mA
EQN	I max. 135 mA	+ 60 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)

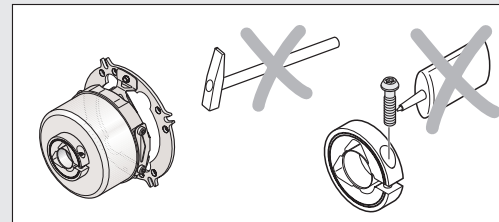
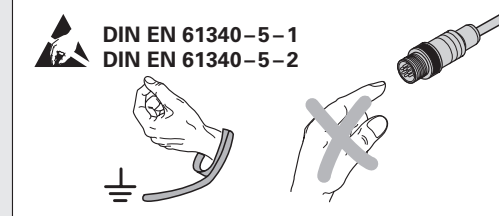
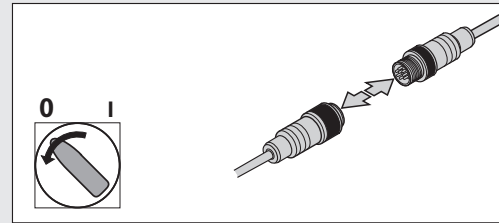
steigende Codewerte
Rising code values
valeurs codées croissantes
valori assoluti crescenti
valores codificados ascendentes



— ohne Laufzeitkompensation
without delay compensation
sans compensation de la durée du signal
senza compensazione del tempo di ciclo
sin compensación del tiempo de propagación

— mit Laufzeitkompensation
with delay compensation
avec compensation de la durée du signal
con compensazione del tempo di ciclo
con compensación del tiempo de propagación

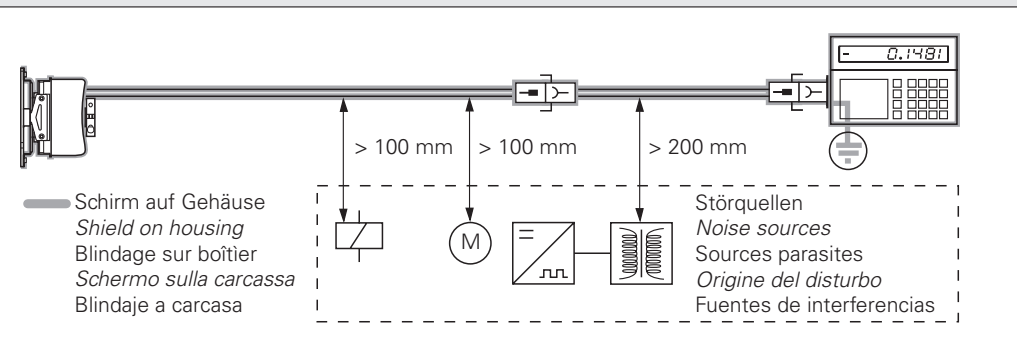
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Montageanleitung
Mounting Instructions
Instructions de montage
Istruzioni di montaggio
Instrucciones de montaje

ECN 425 EnDat22
EQN 437 EnDat22

6/2008



Ø 4.5 mm	R ₁ ≥ 10 mm	R ₂ ≥ 50 mm
Ø 6 mm	R ₁ ≥ 20 mm	R ₂ ≥ 75 mm

	°C (°F)		
		T ≥ -40 °C (-40 °F)	T ≥ -10 °C (14 °F)
		-30 ... 80 °C (-22 ... 176 °F)	

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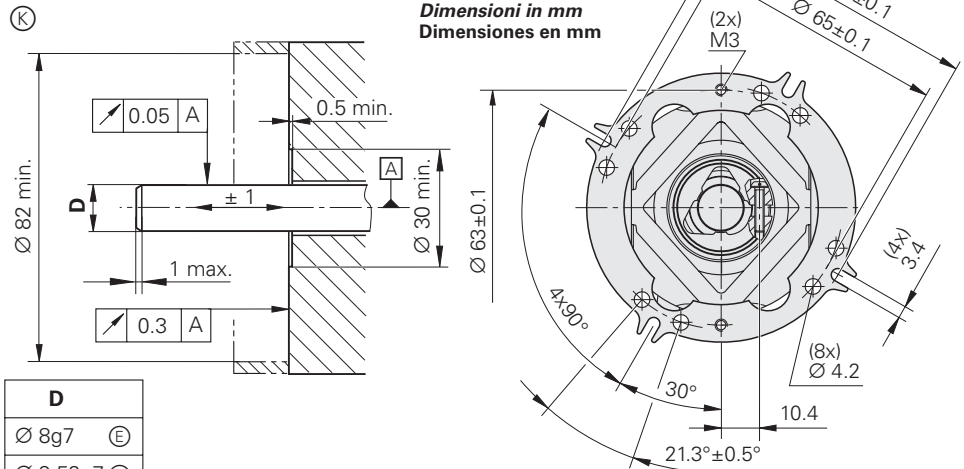
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ECN 425/EQN 437

Maße in mm
Dimensions in mm
Cotes en mm
Dimensioni in mm
Dimensiones en mm

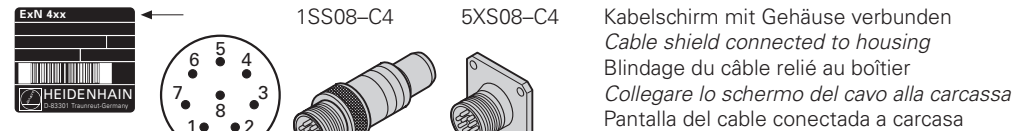


D	
Ø 8g7	E
Ø 9.52g7	E
Ø 10g7	E
Ø 12g7	E
Ø 14g7	E

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

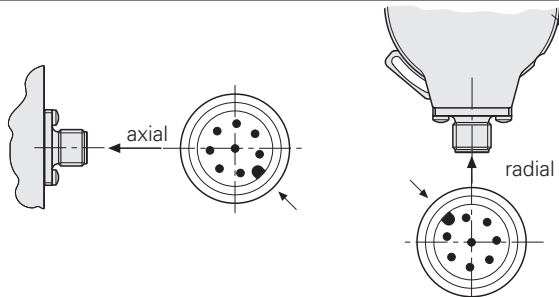
Ⓐ = Lagerung
Bearing
Roulement
Cuscinetto
Rodamiento

Ⓑ = Befestigungsmaße
Mounting dimensions
Cotes de fixation
Dimensioni di fissaggio
Cotas de amarreu



8	2	5	1	3	4	7	6
Up	Sensor Up	0V	Sensor 0V	DATA	DATA	CLOCK	CLOCK
BNGN	BU	WHGN	WH	GY	PK	VT	YE

Stecker-Codierung
Connector coding
Codage sur connecteur
Codifica connettore
Codificación del conector



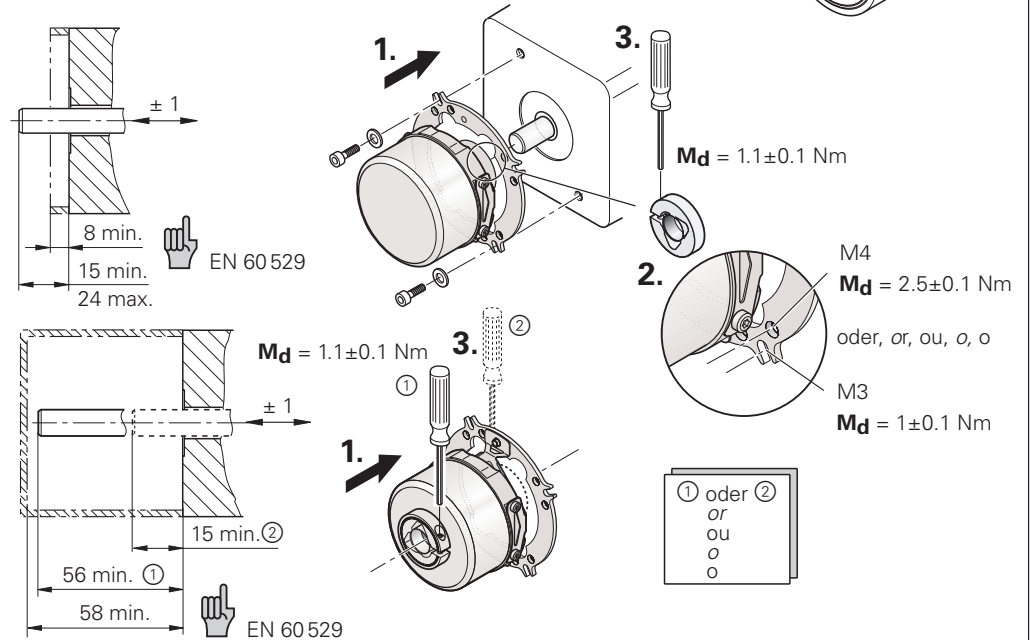
Achtung: Rillenkennzeichnung am Klemmring muss sichtbar sein.

Caution: Groove on clamping ring must remain visible.

Attention: La rainure sur l'anneau de serrage doit rester visible.

Attenzione: Le scanalature sull'anello di bloccaggio devono rimanere visibili.

Atención: La identificación de las ranuras en el anillo de sujeción debe ser visible.



Achtung: Bei Drehzahlen > 6000 min⁻¹ zwei Klemmringe verwenden.

Caution: For shaft speeds > 6000 rpm, use two clamping rings.

Attention: Avec vitesses de rotation > 6000 tours/min., utiliser deux bagues de serrage.

Attenzione: con velocità > 6000 min⁻¹ utilizzare due anelli di fissaggio.

Atención: En velocidades > 6.000 min⁻¹ utilizar dos bridas de fijación.

