

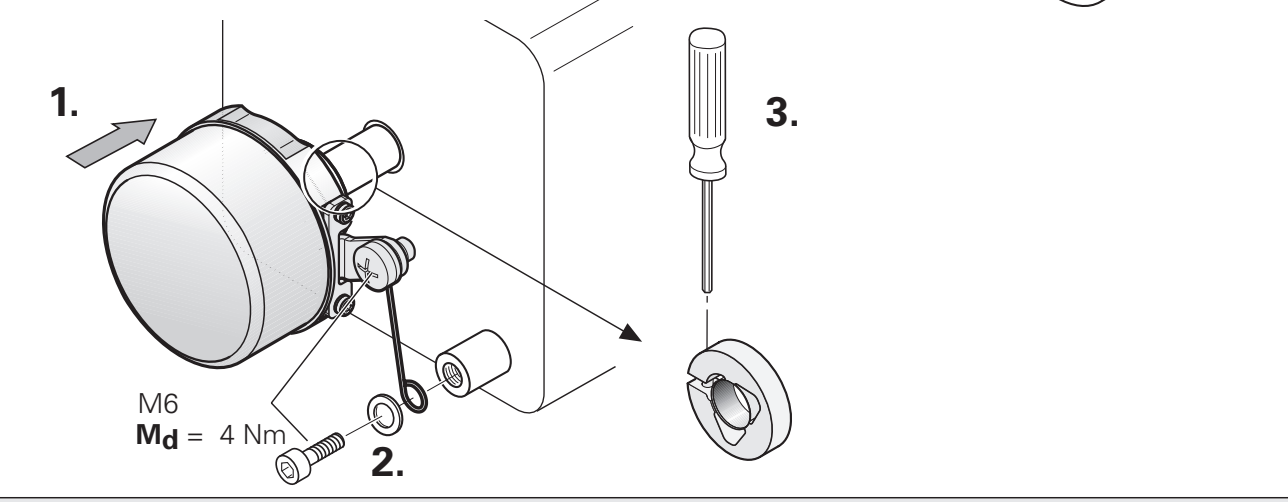
mm
 Tolerancing ISO 8015
 ISO 2768 - m H
 < 6 mm: ±0.2 mm

[A] = Lagerung
 Bearing
 Roulement
 Cuscinetto
 Rodamiento

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

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.

$M_d = 1.1 \text{ Nm}$
 ☆ X8



IP 66
 EN 60 529

°C
 (°F)

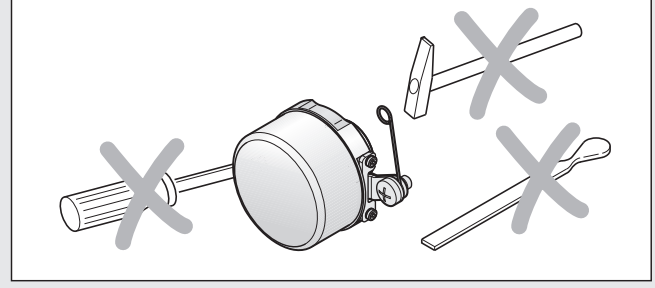
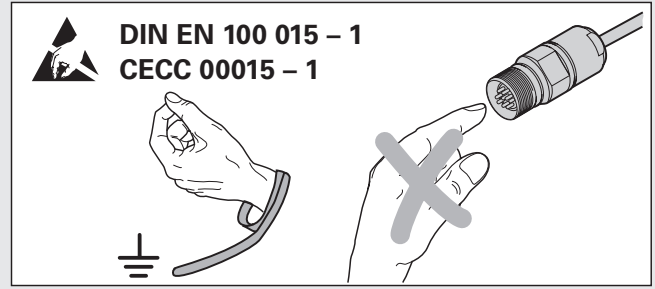
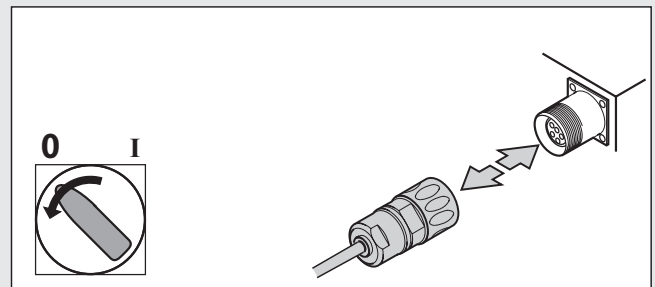
-30 ... 80 °C
 (-22 ... 176 °F)

	$T \geq -40 \text{ °C}$ (-40 °F)	R_1
	$T \geq -10 \text{ °C}$ (14 °F)	R_2
$\varnothing 6 \text{ mm}$	$R_1 \geq 20 \text{ mm}$	$R_2 \geq 75 \text{ mm}$

1XP8003-10 Resolver (P32)

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

11/2005



Siemens AG
 Automation & Drives
 Standard Drives
 Postfach 3269, D – 91050 Erlangen
 Germany
 www.siemens.com



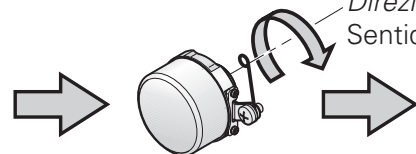
Bestell-Nr. / Order No.: 5 610 70000 09 025 a

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 533 405-92 · 3 · 11/2005 · H · Printed in Germany · Änderungen vorbehalten
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1XP8003-10 Resolver

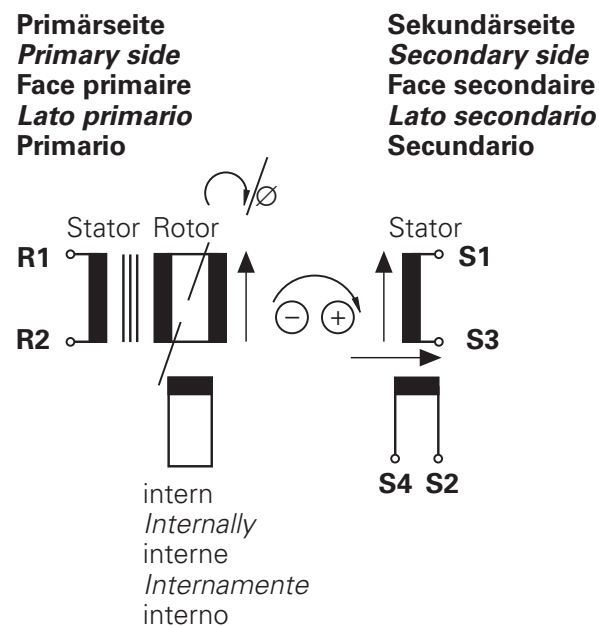
Positive Drehrichtung
Positive rotating direction
Sens de rotation positif
Direzione di conteggio positiva
Sentido de giro positivo



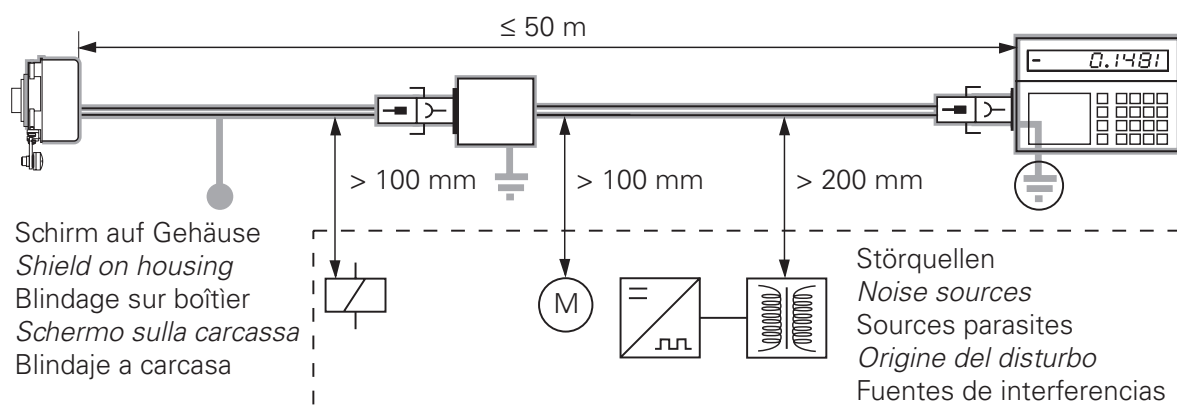
Eingang:
Input:
Entrée: $E(R1-R2) = E \sin(\omega t)$
Ingresso:
Entrada:

Ausgang:
Output:
Sortie: $E(S1-S3) = Tr \times E(R1-R2) \cos \varnothing$
Uscita: $E(S2-S4) = Tr \times E(R1-R2) \sin \varnothing$
Salida:

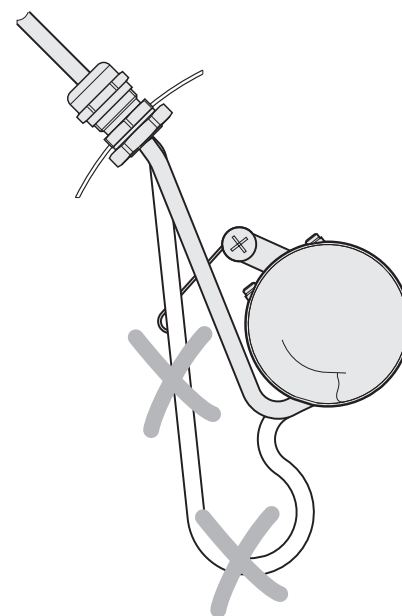
Tr = Umwandlungsverhältnis
Transformation ratio
Rapport de transformation
Rapporto di trasformazione
Relación de transformación



Code 20°		Code 0°				
10	7	11	12	1	2	3, 4, 5, 6, 8, 9
R1	R2	S1	S3	S2	S4	/
rosa pink rose rosa rosa	grau gray gris grigio gris	rot red rouge rosso rojo	schwarz black noir nero negro	braun brown brun marrone marrón	grün green vert verde verde	



Kabelmontage ohne Schlaufe
Mount cable without loop
Montage du câble sans boucle
Cavo di montaggio senza asole
Montaje del cable sin bucle



Primärseite Primary side Face primaire Lato primario Primario	R1 - R2	R1 - R2
Polpaare Pole pairs Paires de pôles Paia poli Número de polos	1	1
Umwandlungsverhältnis Transformation ratio Rapport de transformation Rapporto di trasformazione Relación transformación	0.5 ± 10%	0.5 ± 10%
Eingangsspannung Input voltage Tension en entrée Tensione di ingresso Tensión de entrada	2 V _{eff} - 7 V _{eff}	2 V _{eff} - 7 V _{eff}
Stromaufnahme Input current Consommation Corrente di ingresso Consumo de corriente	max. 65 mA	max. 42 mA
Eingangsfrequenz Input frequency Fréquence d'entrée Frequenza di ingresso Frecuencia de entrada	5 kHz	10 kHz
Phasenverschiebung Phase shift Déphasage Traslazione fase Desfase	8° ± 3°	-6° ± 3°
Nullspannung Null voltage Tension nulle Tensione zero Tensión cero	30 mV max.	30 mV max.
Impedanz Impedance Impédance Impedenza Impedancia		
Z _{ro}	75 j 98 Ω	110 j 159 Ω
Z _{rs}	70 j 85 Ω	96 j 150 Ω
Z _{so}	180 j 230 Ω	245 j 400 Ω
Z _{ss}	170 j 200 Ω	216 j 370 Ω
Gleichstrom-Widerstand D.C. resistance Résistance CC Resistenza-corrente continua Resistencia D.C.		
Rotor	40 Ω ± 10 %	40 Ω ± 10 %
Stator	102 Ω ± 10%	102 Ω ± 10%