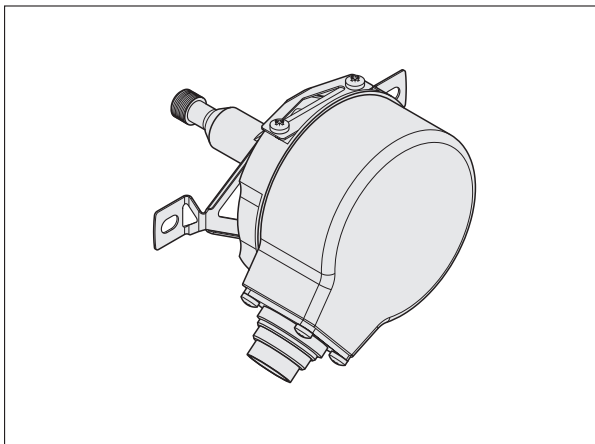


SIEMENS

Drehimpulsgeber
Rotary pulse encoder
Codeur rotatif d'impulsion
Emisor de impulsos (encoder)
Encoder impulsi di rotazione
Momentgevare

1XP8001-1
1XP8001-2

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



1/2005

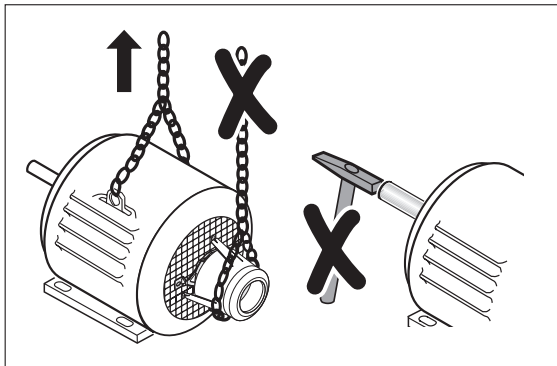
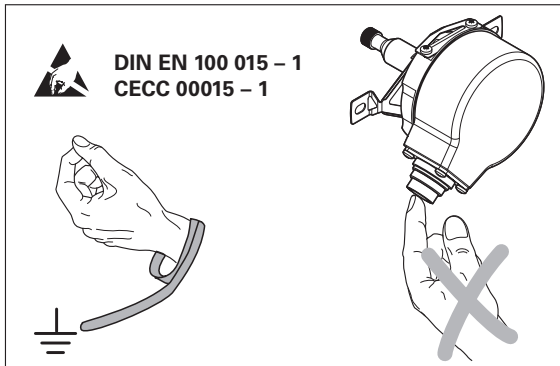
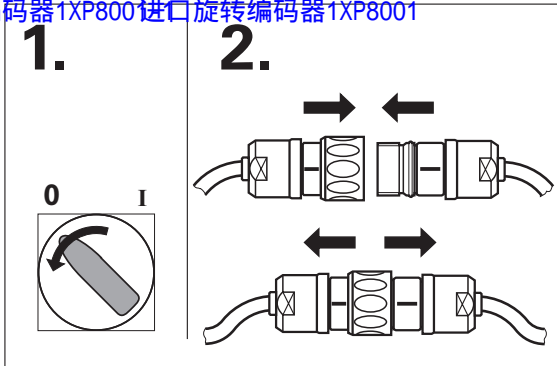
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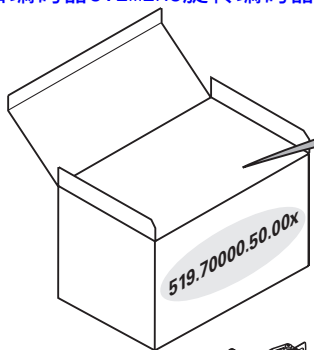
Bestell - Nr. / Order No. : 517.30777.30

DEUTSCH / ENGLISH / FRANÇAIS / ESPAÑOL / ITALIANO / SVENSK

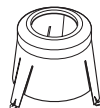
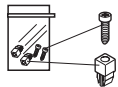
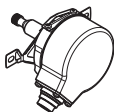


Maße in mm
 Dimensions in mm
 Cotes en mm
 Dimensioni in mm
 Dimensiones en mm
 Dimensioner i mm




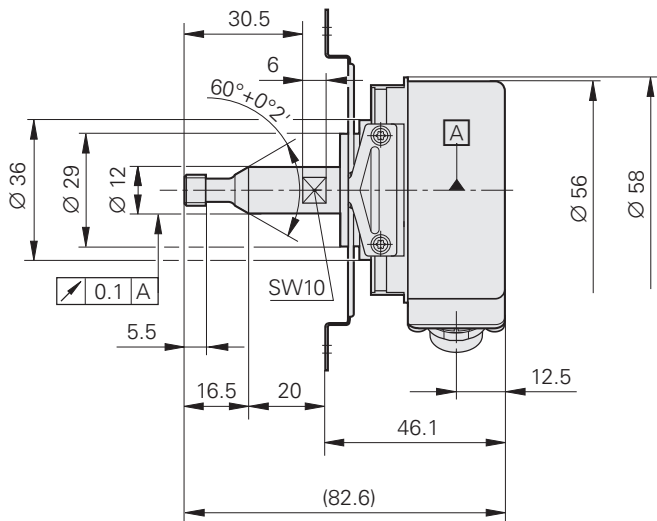



Z = Strichzahl
 Line count
 Nombre de traits
 Numero de impulsos
 Numero di impulsi
 Polser

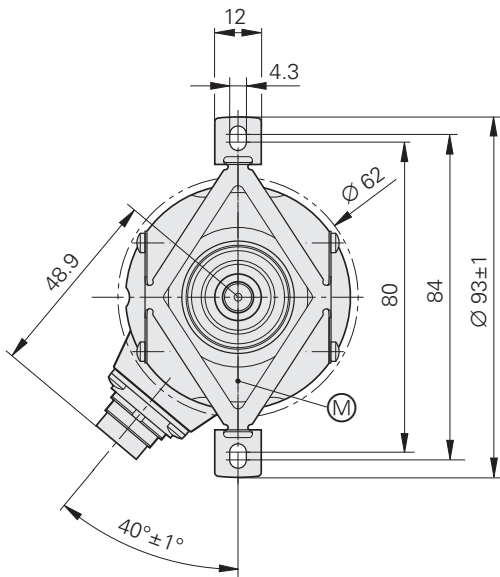


519.70000.50.001	1XP8001-1	Z	839.40000.01	839.40001.01	—	517.30777.30
519.70000.50.002	1XP8001-1	1024	—	839.40001.02	—	517.30777.30
519.70000.50.003	1XP8001-2	1024	839.40000.01	839.40001.01	099.20586.01	517.30777.30
519.70000.50.004	1XP8001-1	1024	839.40000.01	839.40001.01	099.20586.01	517.30777.30
519.70000.50.005	1XP8001-1	2048	839.40000.01	839.40001.01	099.20586.01	517.30777.30
519.70000.50.006	1XP8001-1	2048	—	839.40001.02	—	517.30777.30
519.70000.50.007	1XP8001-2	1024	—	839.40001.02	—	517.30777.30

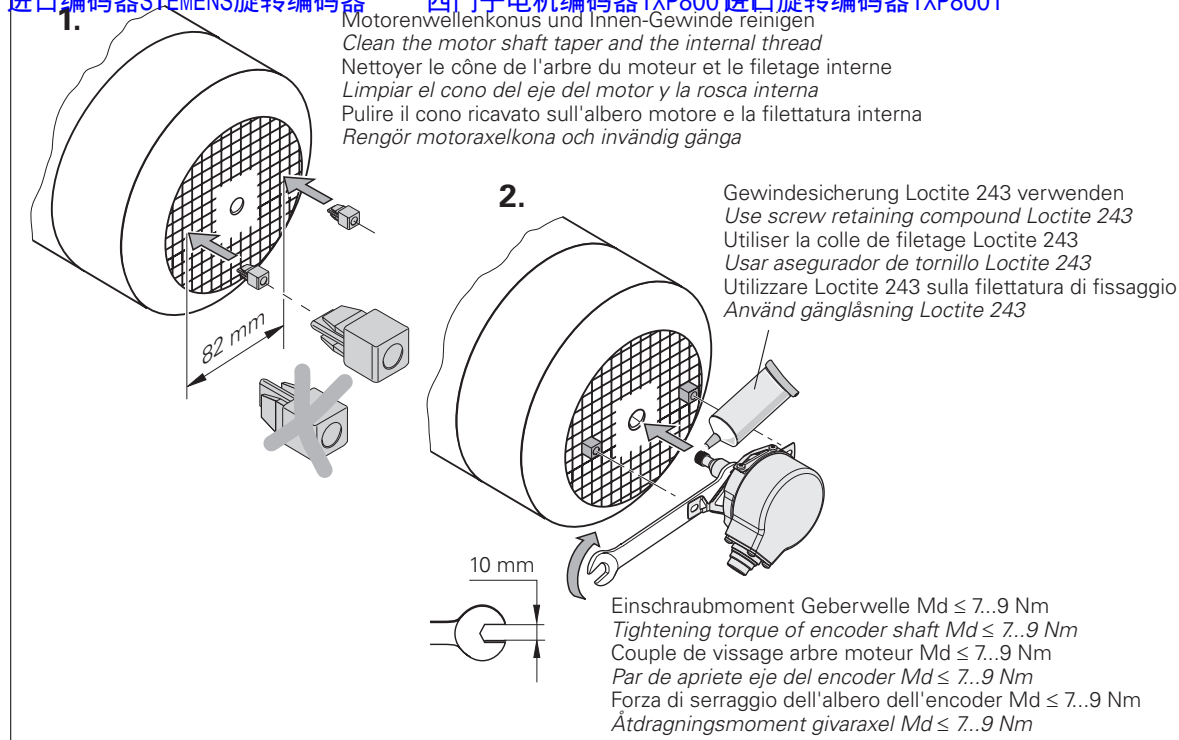
mm

DIN ISO 8015
ISO 2768 - m H



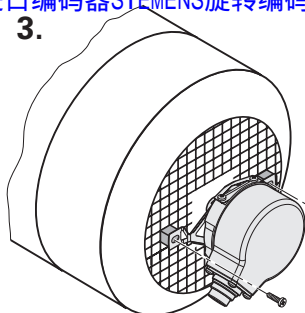
 = Lagerung
Bearing
Roulement
Cuscinetto
Rodamiento
Lagring



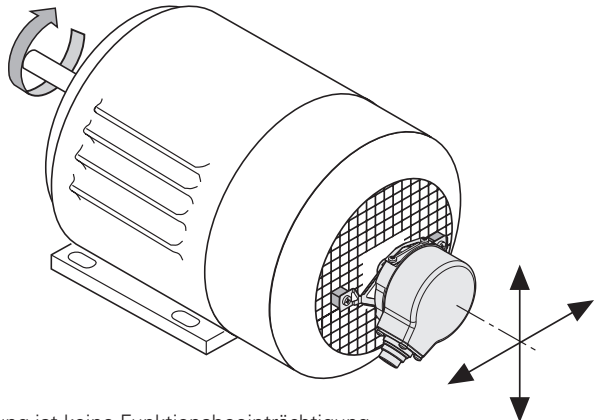
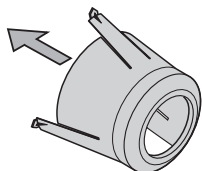
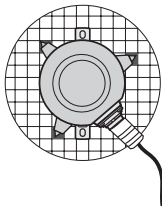
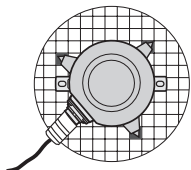
Ⓜ = Messpunkt Arbeitstemperatur
Measuring point for operating temperature
Point de mesure température de travail
Punto di misura – temperatura di esercizio
Punto de medición de la temperatura de trabajo
Mätpunkt för arbetstemperatur



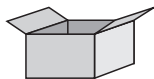
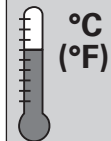
3.



Einschraubmoment Momentenstütze (2x) $M_d \leq 2 \text{ Nm}$
 Tightening torque of torque support (2x) $M_d \leq 2 \text{ Nm}$
 Couple de vissage supports pour couple de rotation (2x) $M_d \leq 2 \text{ Nm}$
 Par de apriete soporte de apoyo (2x) $M_d \leq 2 \text{ Nm}$
 Forza di serraggio delle viti (2x) $M_d \leq 2 \text{ Nm}$
 Åtdragningsmoment vridstöd (2x) $M_d \leq 2 \text{ Nm}$

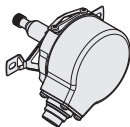


Die leichte Taumelbewegung ist keine Funktionsbeeinträchtigung
 The light wobble does not impair proper function
 Une légère nutation n'est pas préjudiciable au fonctionnement
 El ligero movimiento de vaivén no afecta al correcto funcionamiento
 Un errore di eccentricità nella rotazione dell'albero non comporta fluttuazioni nella misura
 Ett litet kast är inget funktionshinder

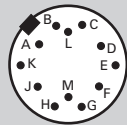


-40 ... 80 °C
(-40 ... 176 °F)

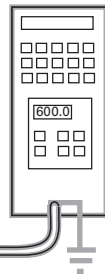
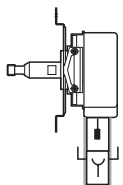
UL certification
File no. E197018

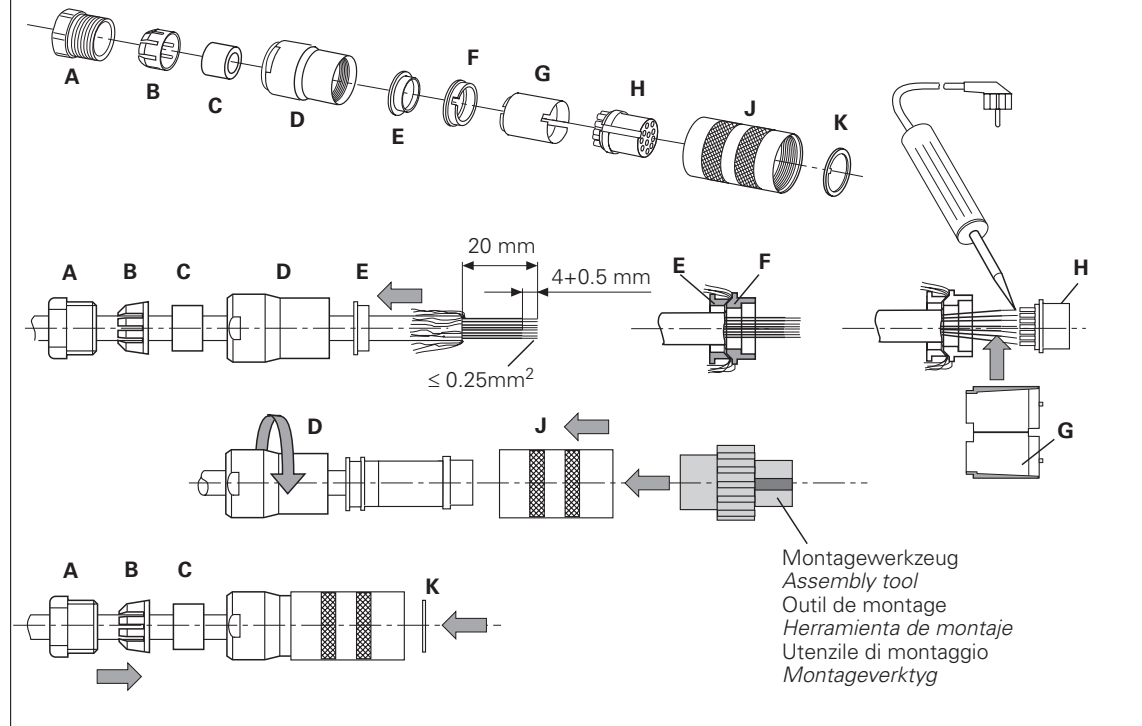


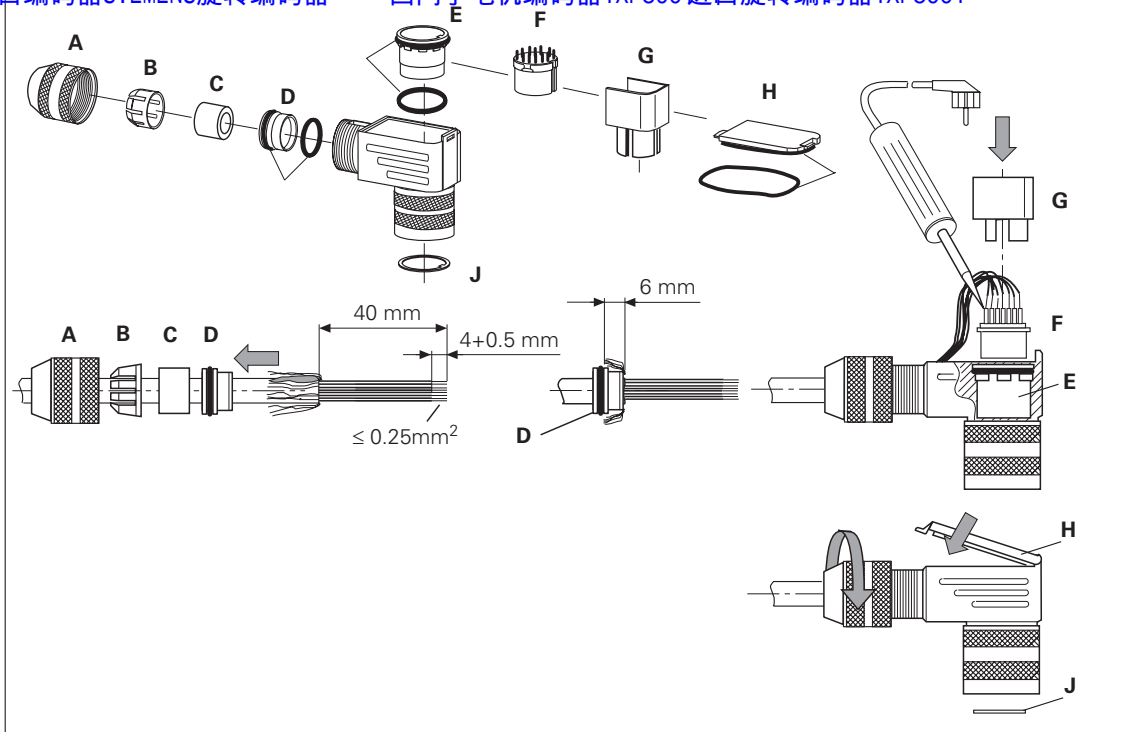
1XP8001-1 / $U_P = 10 \dots 30V$
 1XP8001-2 / $U_P = 5V \pm 10\%$



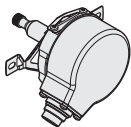
A	B	C	D	E	F	G	H	Schirm Shield Blindage Blindaje Schermo Skärm	K	L	M
$\overline{U_{a2}}$	U_P	U_{a0}	$\overline{U_{a0}}$	U_{a1}	$\overline{U_{a1}}$	$\overline{U_{aS}}$	U_{a2}		0V	0V	U_P







1XP8001-1



$L \leq 200 \text{ m}$ $U_P = 12.75 \dots 15.75 \text{ V}$ (max. 200 mA, U_{a1} , U_{a2} , U_{a0} , $\overline{U_{aS}}$)

$L \leq 300 \text{ m}$ $U_P = 10 \dots 30 \text{ V}$ (max. 350 mA, $\frac{U_{a1}}{U_{a1}}$, $\frac{U_{a2}}{U_{a2}}$, $\frac{U_{a0}}{U_{a0}}$, $\overline{U_{aS}}$)

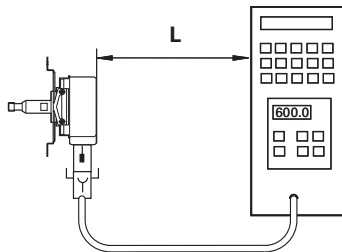
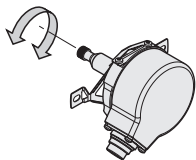


EN 50 178/4.98; 5.2.9.5
IEC 364-4-41: 1992; 411 (PELV/SELV)

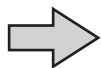
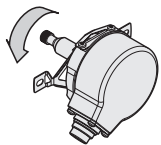
$$n [\text{min}^{-1}] \leq \frac{f_{\text{max}} [\text{kHz}]}{Z} \cdot 10^3 \cdot 60 \text{ min}^{-1} \begin{cases} L \leq 100 \text{ m} & f_{\text{max}} \leq 160 \text{ kHz} (U_{a1}, U_{a2}, U_{a0}, \overline{U_{aS}}) \\ L \leq 200 \text{ m} & f_{\text{max}} \leq 120 \text{ kHz} (U_{a1}, U_{a2}, U_{a0}, \overline{U_{aS}}) \\ L \leq 300 \text{ m} & f_{\text{max}} \leq 160 \text{ kHz} (U_{a1}, U_{a2}, U_{a0}, \overline{U_{a1}}, \overline{U_{a2}}, \overline{U_{a0}}, \overline{U_{aS}}) \end{cases}$$

Z = Strichzahl
Line count
Nombre de traits
Numero de impulsos
Numero di impulsi
Polser

fmax. = Abtastfrequenz
Scanning frequency
Fréquence de balayage
Frequenza di scansione
Frecuencia de captación
Avkänningsfrekvens



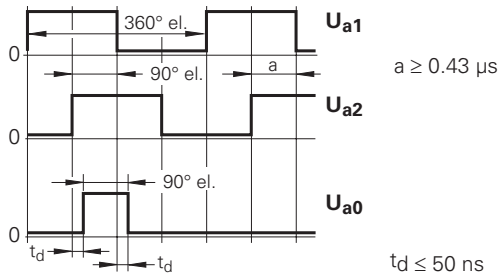
1XP8001-1



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

Strichzahl
 Line count
 Nombre de traits
 Numero de impulsos
 Numero di impulsi
 Polser

} 1024

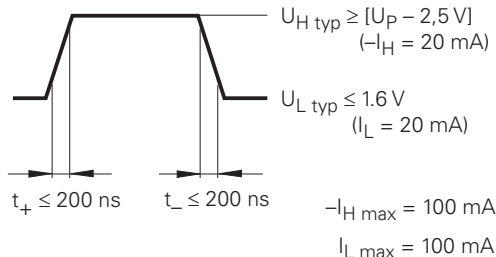


$\overline{U_{aS}}$: Störungssignal
 Fault detection signal
 Signal de perturbation
 Señal de avería
 Segnale di malfunzionamento
 Störsignal

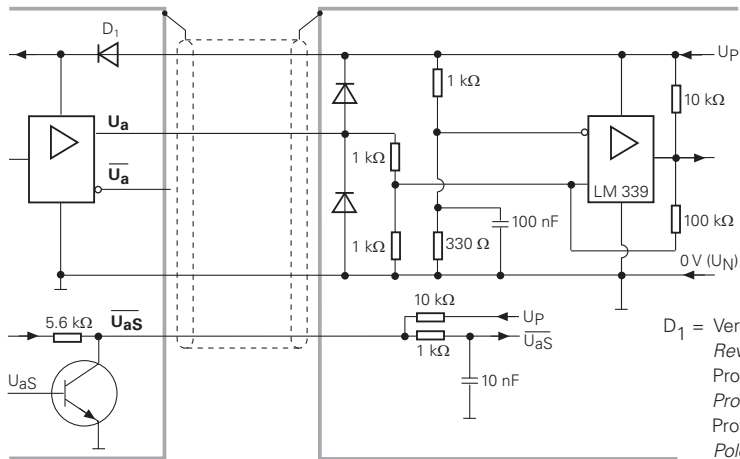
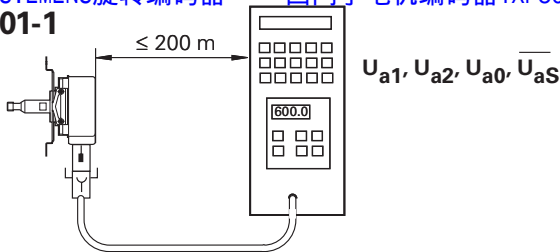
$\overline{U_{aS}} = \text{High}$: ✓

$\overline{U_{aS}} = \text{Low}$: ⚠

HTL

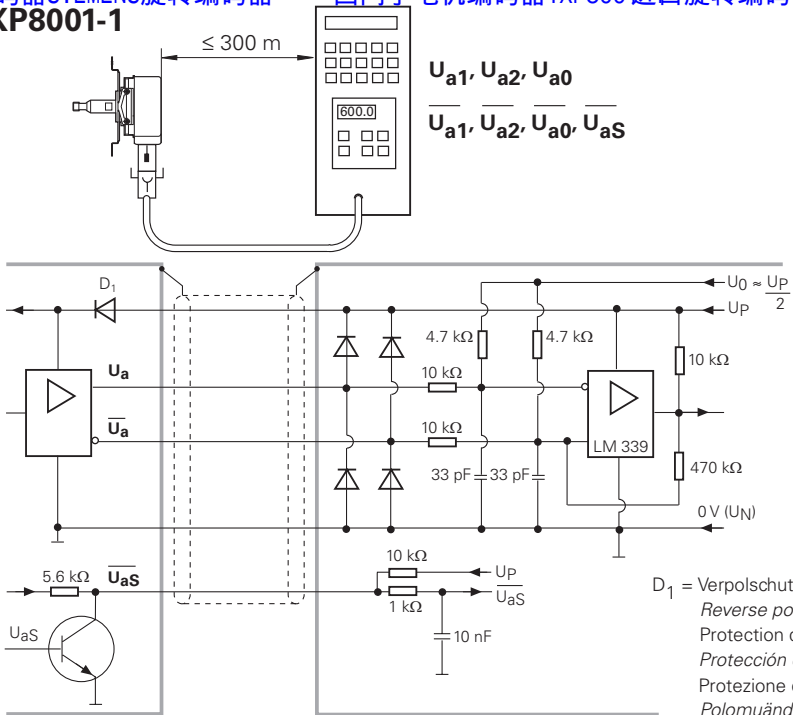


1XP8001-1

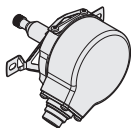


$D_1 =$ Verpolschutz
 Reverse polarity protection
 Protection d'inversion de polarisation
 Protección contra inversión de la polaridad
 Protezione da inversione di polarità
 Polomuändningsskyddel

1XP8001-1



1XP8001-2

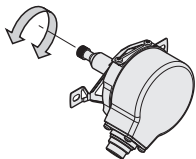


$U_P = 5\text{ V} \pm 10\%$ (max. 150 mA)



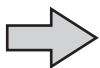
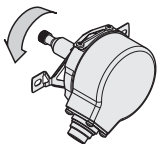
EN 50 178/4.98; 5.2.9.5
IEC 364-4-41: 1992; 411(PELV/SELV)

$$n [\text{min}^{-1}] \leq \frac{300 [\text{kHz}]}{Z} \cdot 10^3 \cdot 60 \text{ min}^{-1} \leq 6\,000 \text{ min}^{-1}$$



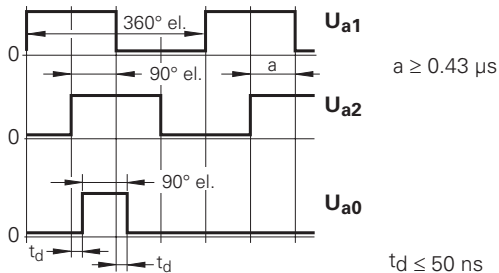
Z = Strichzahl
Line count
Nombre de traits
Numero de impulsos
Numero di impulsi
Polser

1XP8001-2



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

Strichzahl
 Line count
 Nombre de traits
 Numero de impulsos
 Numero di impulsi
 Polser } 1024

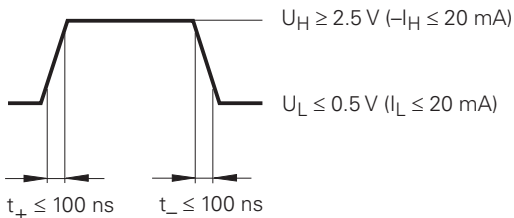


$\overline{U_{aS}}$: Störungssignal
 Fault detection signal
 Signal de perturbation
 Señal de avería
 Segnale di malfunzionamento
 Störsignal

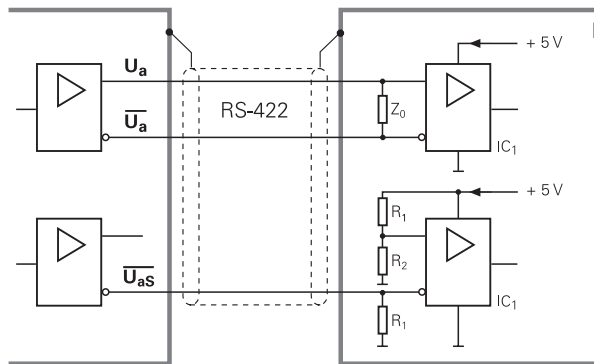
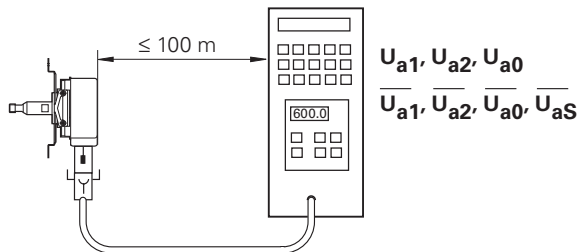
$\overline{U_{aS}} = \text{High}$: ✓

$\overline{U_{aS}} = \text{Low}$:

TTL



1XP8001-2



IC₁ = Differenzleitungsempfänger nach RS 422
 Differential line receiver as per RS 422
 Récepteur différentiel de ligne selon RS 422
 Ricevitore di linea differenziale secondo RS 422
 Receptor de la tensión diferencial según RS 422
 Differenzledningsmottagare efter RS 422

$R_1 = 4.7 \text{ k}\Omega$
 $R_2 = 1.8 \text{ k}\Omega$
 $Z_0 = 120 \text{ }\Omega$
 AM 26 LS 32
 MC 3486
 SN 75 ALS 193

西门子编码器技术说明书 pdf 样本资料 **1XP8001 1XP8001-1/1024 1XP8001-1**
SIEMENS 编码器 西门子旋转编码器 SIEMENS 旋转编码器 rotary encoder

全国统一查询电话 4006-022-002 现货 北京深圳无锡上海天津

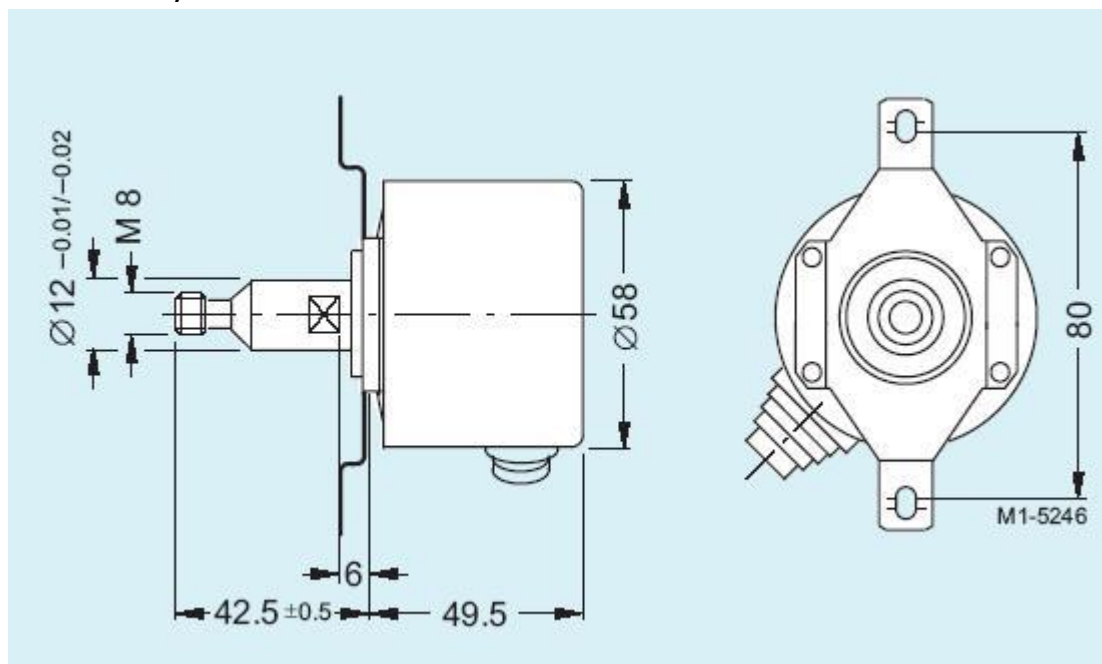
北京顺途科技有限公司 www.shuntu.net 在线查询 shunto@126.com

北京 **010-68008 911** (Beijing) 现货 **1XP8001-1** 广东省 深圳 **0755-83656701**

(Shenzhen) 实时查询 www.omrons.com.cn 江苏省 无锡 0510-81157933

电源	1XP8001-1 (HTL) 推拉式、推挽式输出 +10 +30V	1XP8001-2 (TTL) 长线差分驱动 +5 ± 30V
无负载时输入	200mA	150mA
最大负载电流	100mA	20mA
分辨率	1024	1024
两相输出相位差	90 度 ± 20%	90 度 ± 20%
输出振幅 U	U 高 > U _B -3.5V U 低 < 3V	U 高 > 2.5V U 低 < 0.5V
频率范围	0.8 mc 至 160 KHz	0.45 mc 至 300KHz
最高转速	9000 /MIN	12000/MIN
保存温度	-20 C 到 80 C	-20 C 到 100 C
防护等级	IP66	IP66
最大径向受力	60N	60N
最大轴向受力	40N	40N
系统输出	12- PIN	12- PIN
认证	CSA, UL	CSA, UL
重量	0,3 Kg	0,3 Kg

1XP8001-1/1024, 1XP8001-2/1024, 1XP8001-1/2048, 1XP8001-2/2048
1XP8001-1, 1XP8001-2 尺寸图:



1XP8001-1/1024, 1XP8001-2/1024,1XP8001-1/2048,1XP8001-2/2048
1XP8001 西门子编码器 **1XP8001-1/1024(推荐型号)** 实际照片 **1XP8001-1**



北京顺途科技有限公司 www.shuntu.net 在线查询 shunto@126.com

Beijing 现货 **1XP8001-1** Shenzhen www.omrons.com.cn

西门子旋转编码器型号: **1XP8001; 1XP8001-1; 1XP8001-1/1024;**
1XP8001-1/2048; 1XP8001-2; 1XP8001-2/1024; 1XP8001-2/2048;
1XP8002; 1XP8002-1; 1XP8002-1/1024; 1XP8002-1/512; 1XP8011;
1XP8011-1; 1XP8011-1/1024; 1XP8011-1/2048; 1XP8012; 1XP8012-10;
1XP8012-10/1024; 1XP8012-10/2048; 1XP8012-10/512; 1XP8012-11;
1XP8012-12; 1XP8014-10; 1XP8022; 1XP8022-10;
1XP8022-10/2048; 1XP8022-10/1024; 1XP8022-11; 1XP8022-11/1024;
1XP8022-11/2048; IXP8001; IXP8001-1; IXP8001-1/1024;
IXP8001-1/2048; IXP8001-2; IXP8001-2/1024, IXP8001-2/2048;
IXP8002; IXP8002-1; IXP8002-1/1024; IXP8002-1/512; IXP8011;
IXP8011-1; IXP8011-1/1024; IXP8011-1/2048; IXP8012; IXP8012-10;
IXP8012-10/1024; IXP8012-10/2048; IXP8012-10/512; IXP8012-11;
IXP8012-12; IXP8014-10; IXP8022; IXP8022-10/1024;
IXP8022-10/2048; IXP8022-10; IXP8022-11; IXP8022-11/1024;
IXP8022-11/2048;