

**Serie PMS
XPULSE
Series PMS
XPULSE**

**Programmierbares Multisystem
mit Display und Nullstellung, sehr einfache Programmierung
über 2 Tasten, USB oder Bluetooth.**

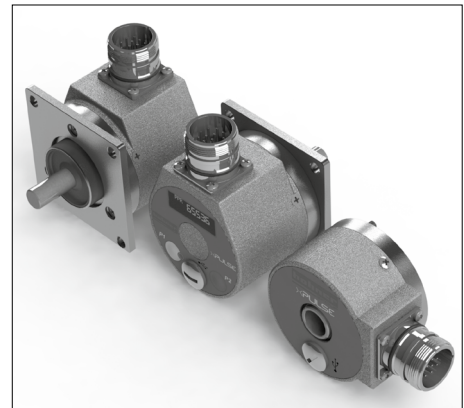
**Programmable Multi System
with Display and zero setting, very easy to program
via 2 Buttons, USB or Bluetooth**

Mechanische Daten / Mechanics Data

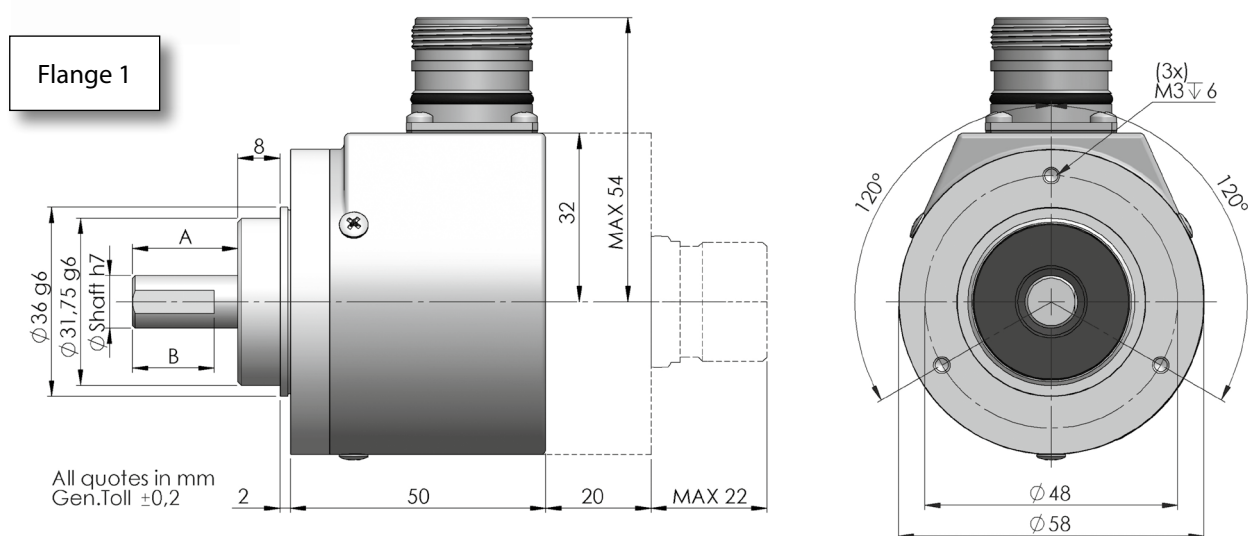
Haube / Cover:	Aluminium / Aluminium
Flansch / Body:	Aluminium / Aluminium
Welle / Shaft:	Edelstahl / Stainless steel
Kugellager / Bearings:	doppelt gelagert / 2 ballraces
Gewicht / Weight:	300 g
IP Schutzart / IP protection:	IP65 Wellenversion / Shaft version *
Umdrehungen / RPM:	max. 6000
Drehmoment / Torque:	5Ncm
Trägheitsmoment / Inertia:	100gcm ²
Wellenbelastung / Shaft Load:	Axial 100N - Radial 100N **

* Am Welleneingang und mit Kabelausgang (für Steckerversionen bitte anfragen)
Shaft side and cable output versions (for connector output please ask to Hohner)

** T = 20°C e max .3000rpm

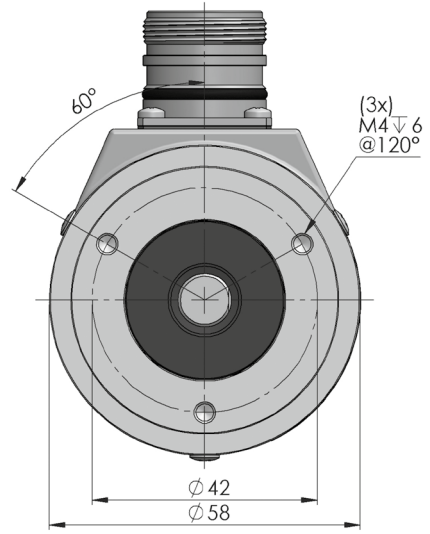
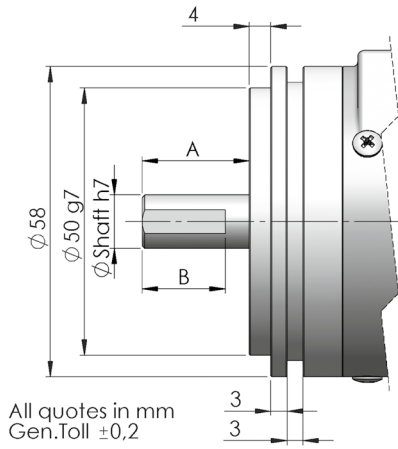


Welle /Shaft		
Ø	A	B
6,00 mm	10,00 mm	9,00 mm
8,00 mm	20,00 mm	15,00 mm
9,52 mm	20,00 mm	15,00 mm
10,00 mm	20,00 mm	15,00 mm
12,00 mm	25,00 mm	15,00 mm

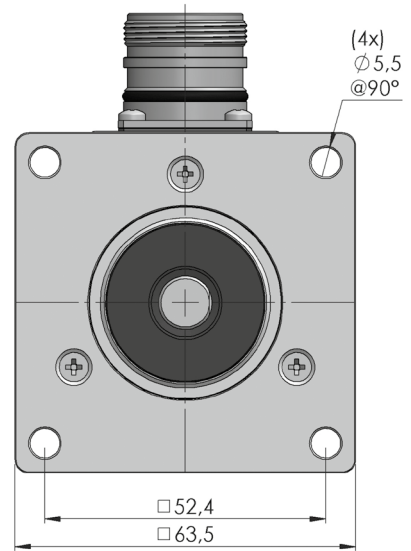
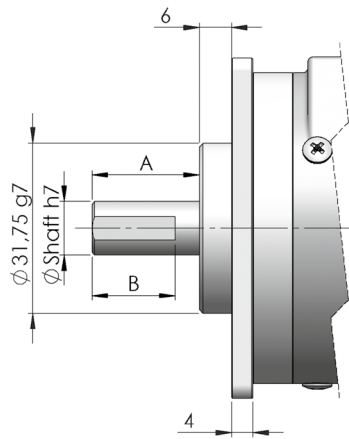


Alle Bilder sind Beispielbilder und können nicht als verbindlich eingestuft werden
All images are indicative and can not be considered binding the purpose of supplying

Flange 3

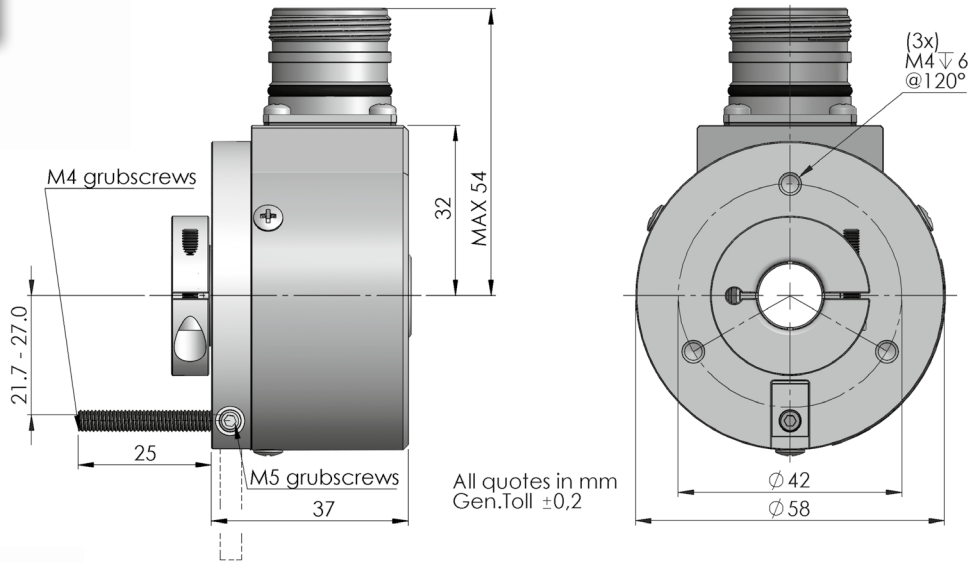


Flange 6

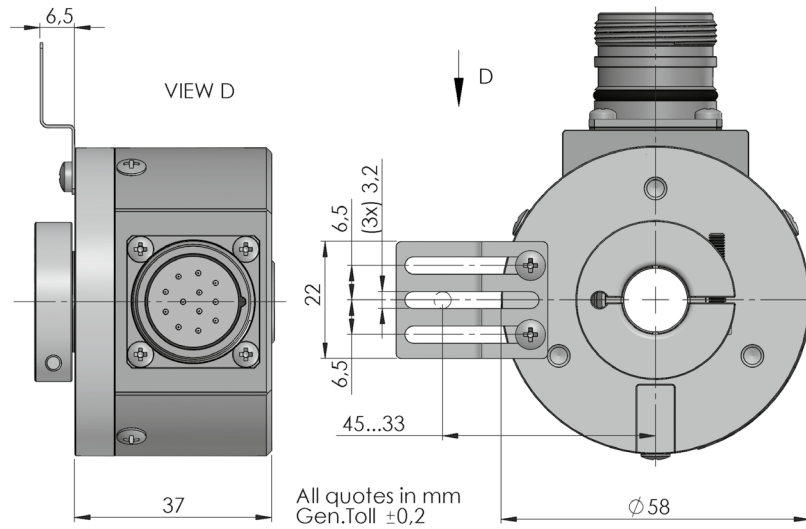


Andere Flansche verfügbar – siehe Datenblatt Serie H
Other flanges available – see data sheet series H

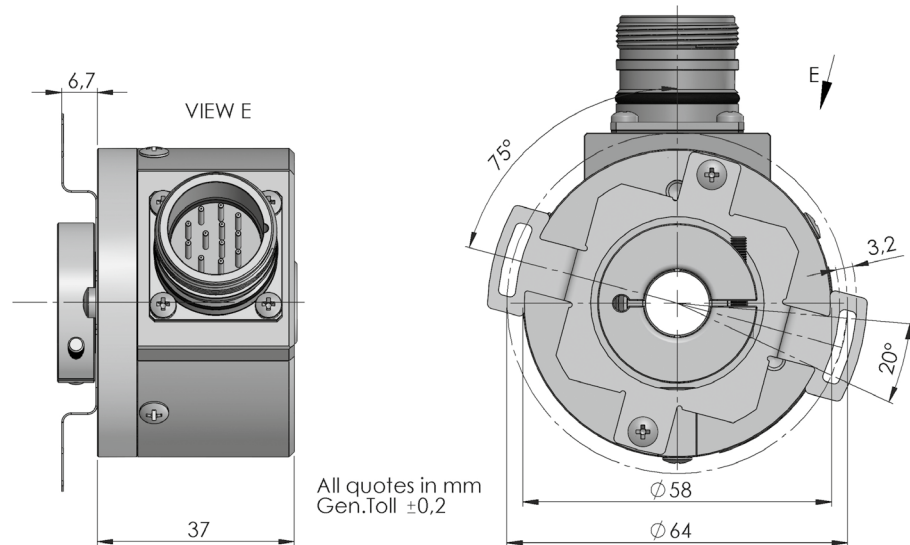
Flange 1



Flange 7



Flange 8



Andere Flansche verfügbar – siehe Datenblatt Serie BSP & BSC
 Other flanges available – see data sheet series BSP & BSC

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Elektronische Daten / Electronics Data

Versorgungsspannung / Power Supply:	5/28 Volt
max. Stromaufnahme / Current consumption:	80mA
max. Ausgangsbelastung / Load:	40mA
Frequenz / Frequency:	Bis zu 300KHz / Up to 300KHz
Schutz / Protections:	Kurzschlussfest, Umkehrpolarität / Against short circuit, reversal polarity
Betriebstemperatur / Operating Temp:	-20/+70°C (-30+100°C auf Anfrage / on request)
Fehler Limits / Error limits:	0,044° (PR01) • 0,0055° (PR02/PR03)

Bestellbezeichnung / Ordering Code

PMS	*	*	P	*	*	/	****
	Welle Shaft	Flansche Flanges	Universal Ausgang Universal Output	Anschlüsse Connections	Level Level		Max. Impulse Max. Pulses
Vollwelle / Solid shaft							
	3 = Ø 6mm 6 = Ø 8mm 4 = Ø 9.52mm 1 = Ø 10mm 2 = Ø 12mm	1 = 3 = 6 = siehe vorherige Seite See previous page	P = LineDriver/ PushPull 5/28V Ausgangspegel TTL kompatibel Outputs levels compatible TTL • Low level output <0.5V • High level output > +VCC-1,9V	3 = Cable Rad. 5 = M23 12pin Rad. 2 = M23 16pin Rad. T = M12 8pin Rad.	0 = Display/Buttons 1 = Display/ Butt.+Bluetooth 2 = Display/Butt. + Bluetooth +USB 3 = Bluetooth, USB, no display 4 = Bluetooth 5 = Multiresolution Disp/Butt. + Bluetooth, + USB 6 = Cams 8 way USB (only PR01) 7 = USB 8 = USB Multiresolution 9 = USB + Display/Buttons		PR01= 2048 PR02= 65536 PR03= 10000
Einbauhohlwelle / Recessed Hollow shaft							
	A = Ø 8 mm B = Ø 10 mm C = Ø 12 mm D = Ø 14 mm E = Ø 15 mm	1 = 7 = 8 = Siehe vorherige Seite See previous page	P = LineDriver/ PushPull 5/28V Ausgangspegel TTL kompatibel Outputs levels compatible TTL • Low level output <0.5V • High level output > +VCC-1,9V	3 = Cable Rad. 5 = M23 12pin Rad. 2 = M23 16pin Rad. T = M12 8pin Rad.	0 = Display/Buttons 1 = Display/ Butt.+Bluetooth 2 = Display/Butt. + Bluetooth +USB 3 = Bluetooth, USB, no display 4 = Bluetooth 5 = Multiresolution Disp/Butt. + Bluetooth, + USB 6 = Cams 8 way USB (only PR01) 7 = USB 8 = USB Multiresolution 9 = USB + Display/Buttons		
Hohlwelle / Hollow shaft							
	F = Ø 8mm G = Ø 10mm H = Ø 12mm L = Ø 14mm M = Ø 15mm	1 = 7 = 8 = Siehe vorherige Seite See previous page	P = LineDriver/ PushPull 5/28V Ausgangspegel TTL kompatibel Outputs levels compatible TTL • Low level output <0.5V • High level output > +VCC-1,9V	3 = Cable Rad. 5 = M23 12pin Rad. 2 = M23 16pin Rad. T = M12 8pin Rad.	3 = Bluetooth, USB, no display 4 = Bluetooth 6 = Cams 8 way USB (only PR01) 7 = USB 8 = USB Multiresolution		

***PR01:** Programmierbar von 1 bis 2048 Impulsen / Programmable pulse from 1 to 2048
 ***PR02:** Programmierbar von 1 bis 65536 Impulsen / Programmable pulse from 1 to 65536
 ***PR03:** Programmierbar von 1 bis 65536 Impulsen / Programmable pulse from 1 to 65536

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***PR01:** Programmierbar von 1 bis 2048 Impulsen / *Programmable pulse from 1 to 2048*

Level	0	1		2			3		4	5			6
	Encoder	Encoder		Encoder			Encoder		Encoder	Multiresolution			Cams 8 ch
Programming mode	Display Button	Display Button	Bluetooth	Display Button	Bluetooth	USB	Bluetooth	USB	Bluetooth	Display Button	Bluetooth	USB	USB
Resolution 1→2048	X	X	X	X	X	X	X	X	X	X	X	X	X
2X Resolution 1→2048												X	X
Up/Down			X		X	X	X	X	X		X	X	X
0 Pulses (90°/180°/270°/360°)			X		X	X	X	X	X		X	X	X
Set position 0 pulse	X	X	X	X	X	X	X	X	X	X	X	X	X
Hall 2→64												X	X
Cams *													X

* = 6 Differential outputs + 2 single end outputs

Configuration's examples:

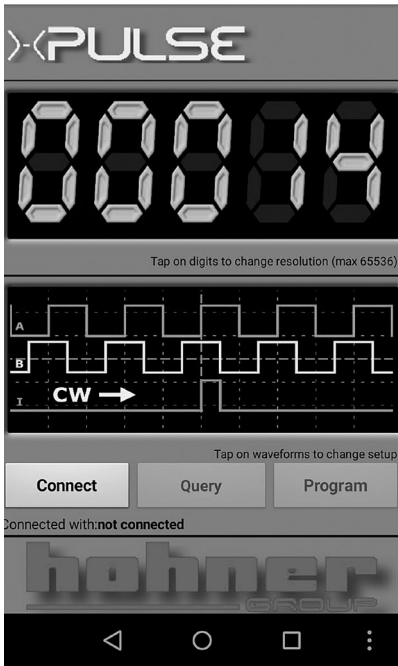
- A) 1 encoder ABO + inverted + 5 free outputs
- B) 2 encoder ABO + inverted + 2 free outputs
- C) 1 encoder ABO + Inverted + 1 Hall Sensor H0H1H2 + Inverted
- D) 2 encoder AB+ Inverted + 4 free outputs
- E)

***PR02:** Programmierbar von 1 bis 65536 Impulsen / *Programmable pulses from 1 to 65536*

***PR03:** Programmierbar von 1 bis 65563 Impulsen / *Programmable pulses from 1 to 65563*

Level	0	1		2			3		4	5		
	Encoder	Encoder		Encoder			Encoder		Encoder	Multiresolution		
Programming mode	Display Button	Display Button	Bluetooth	Display Button	Bluetooth	USB	Bluetooth	USB	Bluetooth	Display Button	Bluetooth	USB
Resolution 1→65536	X	X	X	X	X	X	X	X	X	X	X	X
2X Resolution 1→65536												X
Up/Down			X		X	X	X	X	X		X	X
0 Pulses (90°/180°)			X		X	X	X	X	X		X	X
Set position 0 pulse	X	X	X	X	X	X	X	X	X	X	X	X

Bluetooth Interface



USB Interface

