

Serie AS Series AS

Absoluter Drehgeber mit Steckwelle, Parallel- oder Analog Schnittstelle (ø58mm) Absolute encoder Recessed hollow shaft parallel or analogue interface (ø58mm)

Mechanische Daten / Mechanics Data

| | |
|--------------------------------|--|
| Haube / Cover: | Aluminium / Aluminum |
| Flansch / Body: | Aluminium / Aluminum |
| Welle / Shaft: | Edelstahl / Stainless steel |
| Kugellager / Bearings: | doppelt gelagert / ballraces |
| Gewicht / Weight: | 300 g |
| IP Schutzart / IP Protection: | IP54 (IP65 auf Anfrage / on request max 3000RPM) |
| Umdrehungen / RPM: | max. 6000 |
| Drehmoment / Torque: | 5Ncm |
| Trägheitsmoment / Inertia: | 100gcm ² |
| Wellenlastung / Shaft Loading: | Axial. 50N - Radial 50N |



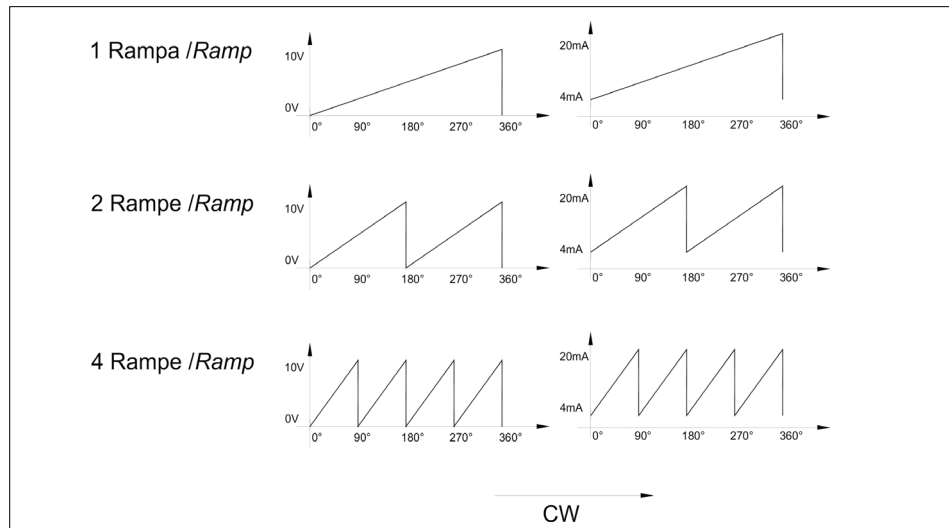
Elektronische Daten / Electronics Data

| | |
|---|---|
| Versorgungsspannung / Power supply: | 5 / 24V, hängt von der Ausgangsschaltung ab depends on the electronics circuit |
| max. Stromaufnahme / Current consumption: | max 100mA |
| zulässige Belastung / Permissible load: | 40mA |
| Frequenz / Frequency: | 50KHz (LSB) |
| Schutz / Protections: | Kurzschlussfest, Umkehrpolarität Against short circuit, reversal polarity |
| Betriebstemperatur / Operating Temp: | -20/+70°C |

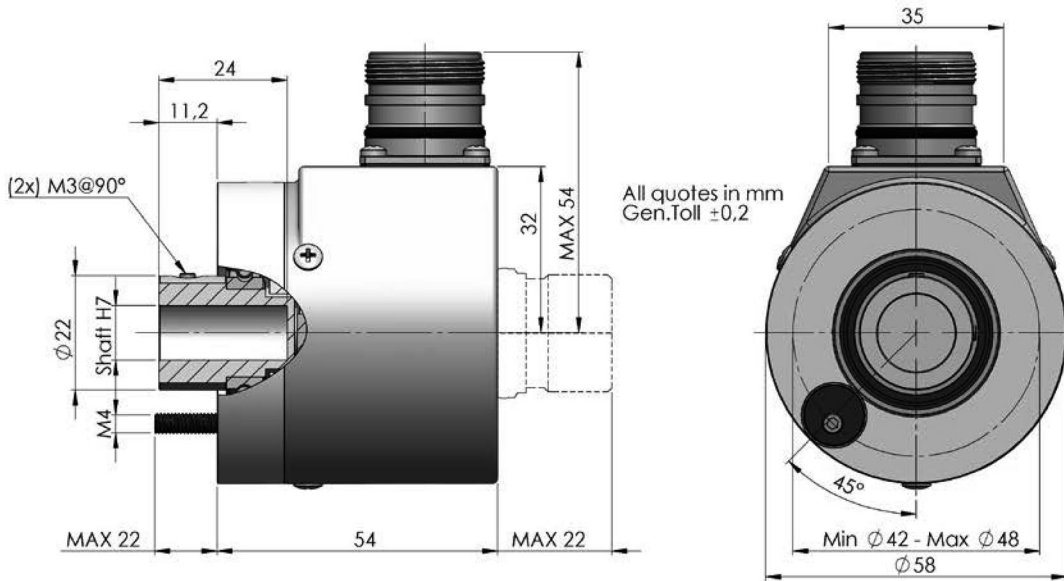
Analog Ausgang / Analogue output

Versorgungsspannung / Power Supply 24V – Nur Anschlüsse / Only connections 5, 2 (9416)

| Anschluss 9416 Connections 9416 | |
|------------------------------------|-----------------|
| 1 | - |
| 2 | + |
| 3 | Iout + (4-20mA) |
| 4 | |
| 5 | Vout + (0-10V) |
| 6 | |
| 7 | Ud/Down |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |



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



Bestellbezeichnung / Ordering Code

| AS | * | * | | * | / | **** |
|----|---|---|--|---|---|---|
| | Welle Shaft | Ausgangsschaltungen Output | Optionen Options | Anschlüsse Connections | | Auflösung Resolution |
| | 7 = \varnothing 7mm 0 = \varnothing 10mm 2 = \varnothing 12mm 4 = \varnothing 14mm 1 = \varnothing 15mm | Digital Ausgang / Digital output 1 = GRAY NPN 11/24V 2 = GRAY Push-Pull 11/24V 3 = GRAY TTL 5V 4 = BIN. NPN 11/24V 5 = BIN. Push-Pull 11/24V 6 = BIN. TTL 5V 7 = BCD NPN 11/24V 8 = BCD Push-Pull 11/24V 9 = BCD TTL 5V Analog Ausgang / Analogue output C = 4-20mA M = 4-20mA / 0-10V D = 0-10V Versorgungsspannung / Power Supply 24V | A = None B = Open Coll. P = Parity parity D = Parity Odd E = GRAY Excess S = Strobe | Kabel / Cable 3 = Cable Rad 9 = Cable Axi SUB-D 25p R = 9413 Rad N = 9413 Axi M23 12p/16p 5 = 9416/9426 Rad 2 = 9416/9426 Ass (weitere Anschlussarten auf Anfrage / more connectors on request) | | max. 8.192 Analog Ausgang / Analogue Output R1 = 1 Ramp/Umdr. 1 ramp/turn R2 = 2 Ramps/Umdr. 2 ramp/turn R4 = 4 Ramps/Umdr. 4 ramp/turn |

Digital Ausgang / Digital output

Anschlüsse / Connections

| | 0 Volt | + Volt | 0 2 | 1 2 | 2 2 | 3 2 | 4 2 | 5 2 | 6 2 | 7 2 | 8 2 | 9 2 | 10 2 | 11 2 | M | DIR <-> | | | | |
|-------------------------|-----------------------|------------------|-----------------------|-----------------------|------------------|------------------|------------------|----------------------------|----------------------------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|------------------|------------------|------------------|-----------------------|
| Stecker 9416 12p | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | | | | | P12 | | | | |
| Stecker 9426 16p | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | | | | |
| Stecker 9413 25p | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | | | | |
| Kabel | S W A R Z | B L A U | B R A U N | B E I G E | G R Ü N | G E L B | R O S A | V I O L E T | O R A N G E | T R A N S P A R E N T | W E I S S | W E I S S | W E I S S | W E I S S | W E I S S | G R Ü N | G E L B | G R Ü N | G E L B | W E I S S |

Legende Anschlüsse
M = Optionale Ausgänge
DIR <-> = ist die Drehrichtung (im bzw. gegen den Uhrzeigersinn)
Im Uhrzeigersinn ist Standard
Gegen den Uhrzeigersinn DIR <-> to **0 Volt**.

Anschlüsse / Connections

| | 0 Volt | + Volt | 0 2 | 1 2 | 2 2 | 3 2 | 4 2 | 5 2 | 6 2 | 7 2 | 8 2 | 9 2 | 10 2 | 11 2 | M | DIR <-> | | | | |
|---------------------------|-----------------------|------------------|-----------------------|-----------------------|------------------|----------------------------|------------------|----------------------------|----------------------------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|------------------|------------------|----------------------------|-----------------------|
| Connector 9416 12p | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | | | | | P12 | | | | |
| Conn 9416 16p-9413 | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | | | | |
| Cable | B L A U K | B L A U | B R A U N | B E I G E | G R Ü N | Y E L L O W | P I N K | V I O L E T | O R A N G E | T R A N S P A R E | W H I T E | W H I T E | W H I T E | W H I T E | W H I T E | Y E L L O W | G R Ü N | G E L B | Y E L L O W | W H I T E |

Legend connections:
M = optional outputs:
DIR <-> = is the signal direction: clockwise or anticlockwise
Clockwise standard
Anticlockwise connect DIR <-> to **0 Volt**.