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Encoder assoluto parallelo o analogico (ø58mm)
Absolute encoder parallel or analogue (ø58mm)

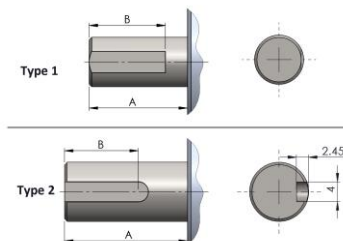


Dati Meccanici / Mechanics Data

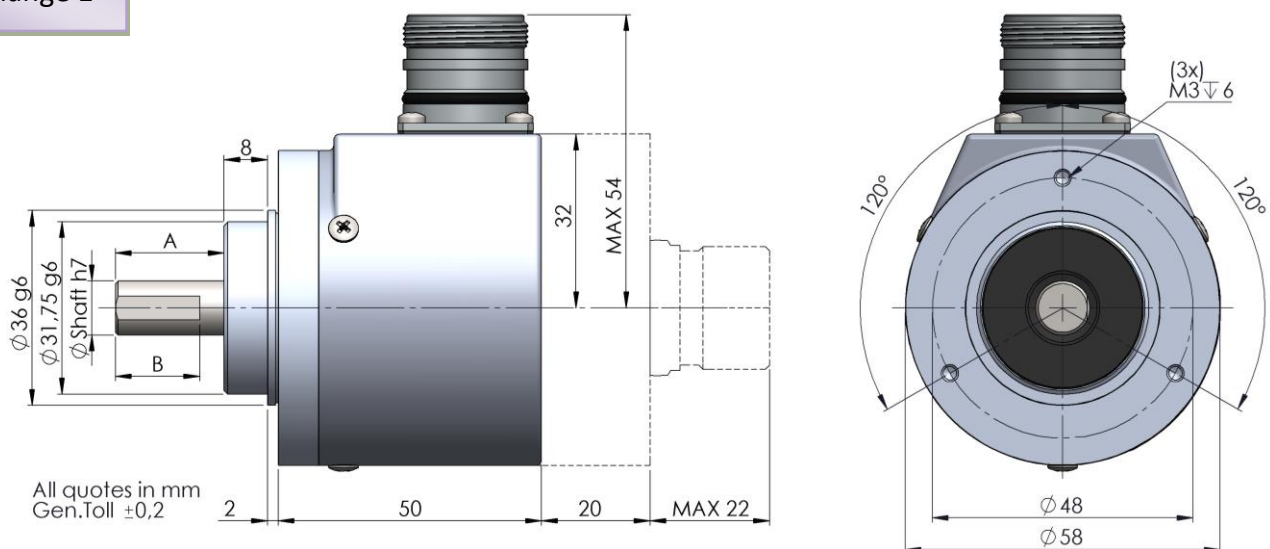
Custodia / Cover: Alluminio naturale / Aluminum
Flangia / Body: Alluminio naturale / Aluminum
Albero / Shaft: Acciaio INOX / Stainless steel
Cuscinetti / Bearings: 2 a sfere / ballraces
Peso / Weight: 300gr
Classe protezione / IP Protection: IP65
Giri al minuto / RPM: 6000 Max
Coppia / Torque: 5Ncm
Momento inerzia / Inertia : 100gcm²
Carico sull'albero / Shaft Loading: Axi 100N - Rad 100N

Alberi / Shaft

| ø | A | B | |
|---------|---------|---------|--------|
| 6.00mm | 10.00mm | 9,00mm | Type 1 |
| 8.00mm | 20.00mm | 15,00mm | Type 1 |
| 10.00mm | 20.00mm | 15,00mm | Type 1 |
| 12.00mm | 25.00mm | 15,00mm | Type 2 |

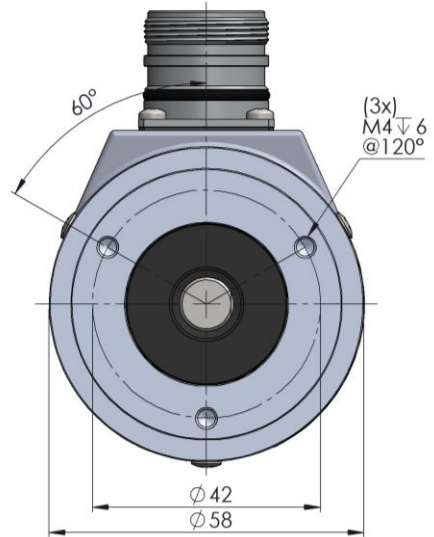
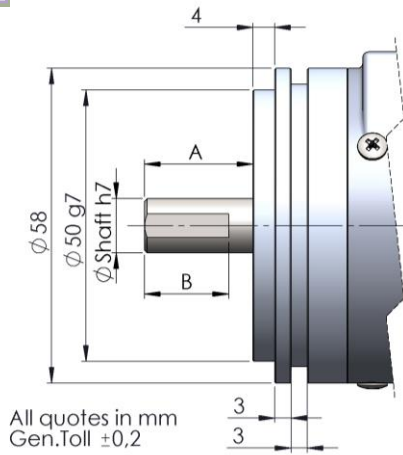


Flange 1

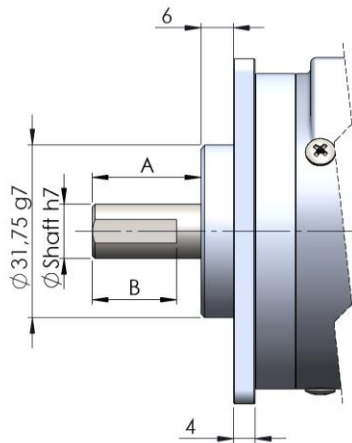


Nota: Tutte le immagini sono puramente indicative e non possono essere considerate vincolanti ai fini della fornitura
All images are indicative and can not be considered binding the purpose of supplying

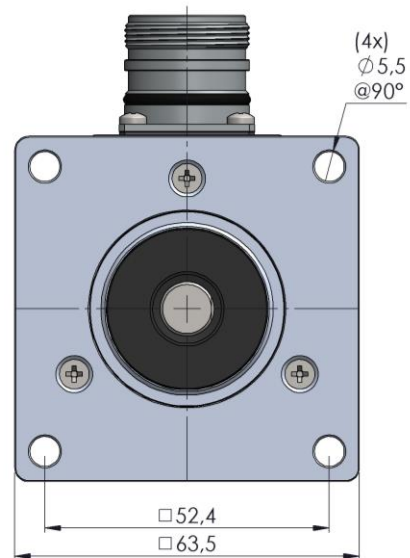
Flange 3



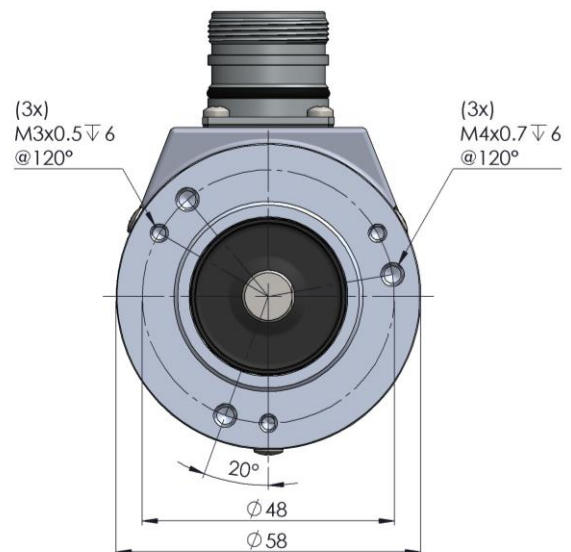
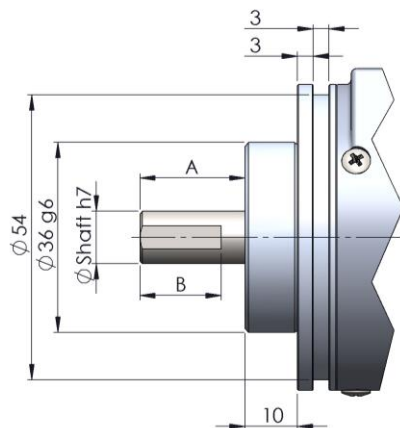
Flange 6



All quotes in mm
Gen.Toll $\pm 0,2$



Flange H



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Dati Elettronici / Electronics Data

Alimentazione / Power supply: 5 / 24V secondo il tipo di elettronica
depends on the electronics circuit

Assorbimento / Current consumption: max 100mA

Uscita / Output: Parallela Gray-Binario -BCD / Parallel Gray-Binary-BCD
Analogica/Analogue : 4-20mA / 0-10V (14bit)

Carico ammesso / Permissible load: 40mA

Frequenza/ Frequency : 50KHz (LSB)

Protezioni / Protections: Contro corto circuito, inversione di polarità
Against short circuit, reversal polarity

Temp. di lavoro/ Operating Temp: -20/+70°C

Esempio d'ordine/ Ordering code

| S | * | * | * | * | * | / | ** | |
|---|-----------------|-------------------|---|--|---|---|--|--|
| | Albero Shaft | Flangia Flange | Uscite Output | Opzioni Options | Connessioni Connections | | Risoluzione Resolutions | |
| | | | Uscita digitale/ Digital output max 13 bit (8192) | | | | | |
| | | | 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 <i>BCD: Resolution Max 1024</i> | A = None B = Open Coll. E = GRAY Excess S = Strobe | Cavo / Cable 9 = Cable Axi 3 = Cable Rad SUB-D 25p N = 9413 Axi R = 9413 Rad M23 12p/16p 2 = 9416/9426 Axi 5 = 9416/9426 Rad (secondo opzioni consultare Hohner / contact Hohner) | | Max 8192 360 = 360 1024 = 1024 4096 = 4096 | |
| | | | Uscita digitale/ Digital output max 17 bit (131072) | | | | | |
| | | | 2 = GRAY Push-Pull 11/24V 3 = GRAY TTL 5V 5 = BIN. Push-Pull 11/24V 6 = BIN. TTL 5V | A = None S = Strobe Z = Preset (push button on cover) | SUB-D 25p N = 9413 Axi R = 9413 Rad | | Max 17bit 12C = 4096 13C = 8192 17C = 131072 | |
| | | | Uscita analogica/ Analog output - Risoluzione /Resolution 14bit | | | | | |
| | | | C = 4-20mA D = 0-10V Alimentazione/Power Supply 24V | A = None Z = Preset (push button on cover) W = Preset on connector or cable | M23 12p 2 = 9416 Axi 5 = 9416 Rad M12 5p J = 94M12 Axi K = 94M12 Rad | | R1 = 1 rampa/giro <i>1 ramp/turn</i> R2 = 2 rampe/giro <i>2 ramp/turn</i> R4 = 4 rampe/giro <i>4 ramp/turn</i> | |

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| | | |
|--|---|------------|
| Uscita Digitale Parallela / Parallel Digital Output: | | |
| Gli ingressi dell'encoder sono internamente collegati allo stato logico "UNO" / Encoder inputs are internally connected to level logical "ONE" | | |
| Standard Input | | |
| | Open or Vcc | GND |
| UP/DOWN | UP (CW) | DOWN (CCW) |
| Optional Input | | |
| | Open or Vcc | GND |
| PRESET | Per azzerare l'encoder collegare a GND per Min 50msec / To Preset encoder in position 0 connect to GND min 50msec | |

Uscita digitale/ Digital output

| Connessioni | 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 <-> | |
|----------------------------|------------------|---------------|---------------------------------|-----------------------|-----------------------|----------------------------|------------------|-----------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------------|---|---|--|---------------------------------|----------------------------|
| Connettore 9416 12p | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | | | | | P12 | |
| Conn 9426 16p | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | |
| Cavo | N E R O | B L U | M A R R O N E | B E I G E | V E R D E | G I A L L O | R O S A | V I O L A | A R A N C I O | T R A S P A R | B R I O S C O | B B I L A U C O | V B E I R A D E C C O | V B I I O A C C O | G V I A R L E L L O | V G I A N C O | B I A N C O |

M = segnale opzionale vedi alla voce opzioni ; DIR <-> = discriminatore del senso di incremento: orario o antiorario
L'encoder incrementa in senso orario. Per avere l'incremento in senso antiorario collegare il piedino DIR <-> allo **0Volt**.

| 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 | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | | |
| Cable | B L A C K | B L U E | B R O W N | B E I G E | G R E E 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 | W H I T E | W H I T E | W H I T E | G R E E N | V I O L E T | Y E L L O W | G R E E N | Y E L L O W |

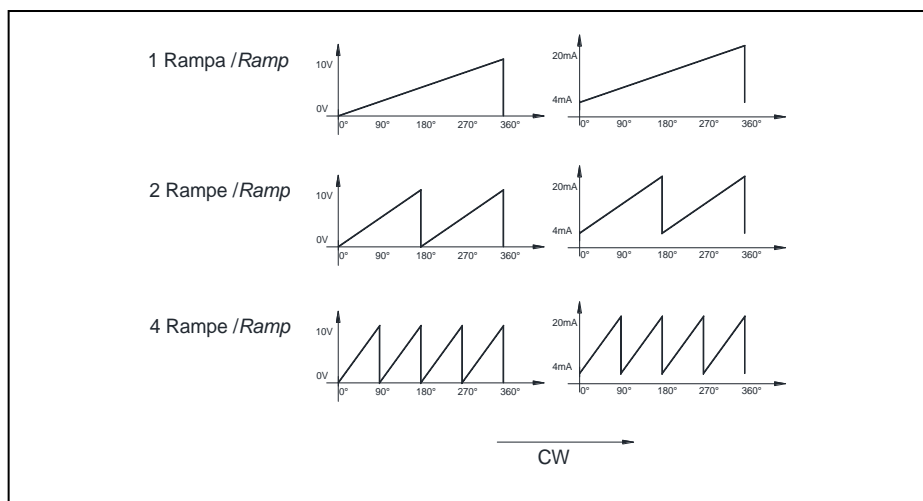
M= signa loptional :

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

Uscita Analogica / Analog Output

| | Connettore 9416 (M23 12p) Connections 9416 (M23 12p) | Connettore M12 5p Connections M12 5p | Cavo Cable |
|----------------|---|---|-----------------|
| 0V | 1 | 1 | Bianco / White |
| +24VDC | 2 | 2 | Marrone / Brown |
| Iout+ (4-20mA) | 3 | 3 | Verde / Green |
| Vout + (0-10V) | 5 | 3 | Verde / Green |
| Preset | 8 | 4 | Giallo / Yellow |
| Ud/Down | 7 | 5 | Grigio / Gray |

| | Open or Vcc | GND |
|---------|---|--------------|
| UP/DOWN | UP (CW) | DOWN (CCW) |
| | | |
| | Open or Vcc | GND (50msec) |
| PRESET | Per azzerare l'encoder collegare a GND per Min 50msec / To Preset encoder in position 0 connect to GND min 50msec | |



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