

CARATTERISTICHE MECCANICHE - MECHANICAL SPECIFICATIONS

Dimensioni - Dimensions: vedi disegni - see drawings
 Carico sull'albero - Shaft loading: assiale - axial: 200 N; radiale - radial 200 N
 Numero giri - Shaft rotational speed: 10.000 RPM per brevi periodi - to short cycle time; 6.000 RPM continui - continuous
 Coppia di partenza a 25° C - starting torque at 25°C: 0,025 Nm
 Momento d'inerzia - Moment of inertia: 50 g cm²
 Vita dei cuscinetti - Bearings life: 5 x 10⁶ giri (minimo) - rev. Min.
 Peso - Weight: ~ 0,5 kg

CARATTERISTICHE ELETTRICHE - ELECTRICAL SPECIFICATIONS

Frequenza in uscita - output frequency: fino a 100 kHz up to 100 kHz
 Sincronismo di zero - Synchronous index output: Su canale A predefinito - on A default; B - A+B a richiesta - B - A+B optional
 Assorbimento in corrente - Supply current without load: 150 mA max.
 Protezione - Protection: contro il cortocircuito (solo elettronica LD2 e PP2): short circuit protection, no limit duration (only output LD2 and PP2)
 contro inversione di polarità (escluso 5Vcc); against inversion of polarity (except 5Vcc)

MATERIALI UTILIZZATI - MATERIALS

Corpo - Flange: in alluminio anticorrosione - aluminium anticorrosion
 Custodia - Housing: Poliammide 66 (Pa66); Polyamid 66 (Pa66)
 Giunto - Giunto integrato in alluminio serie GE - Flexible coupling GE series

CARATTERISTICHE AMBIENTALI - ENVIRONMENTAL SPECIFICATIONS

Temperatura di lavoro - Operating temperature range: -10°C ÷ +70°C
 Temperatura di stoccaggio - Storage temperature range: -30°C ÷ +80°C
 Umidità relativa - Relative humidity: 98% RH senza condensazione - RH without condensing
 Vibrazioni - Vibrations: 10 g (da 10 a 2.000 Hz) - (From 10 up to 2.000 Hz)



CODICE DI ORDINAZIONE - ORDERING CODE

TKMXXXX . = . XXXX . XXXXX . X . XX . XX,XX . XXnn . XXX-XXXX . Xnn

Custom

MODELLO - TYPE
 TKM 7310 monodirezionale - unidirectional
 TKM 7311 monodir+ zero - unidirect + index
 TKM 7320 bidirezionale - bidirectional
 TKM 7321 bidirez.+ Zero - bidirect + index

MONTAGGIO - ASSEMBLY
 = Standard - Default

IMPULSI GIRO - PULSE RATE
 2 - 5 - 10 - 20 - 25 - 30 - 32 - 36 - 40 - 50 - 60 - 64 - 72 - 80 - 88 -
 90 - 100 - 120 - 125 - 127 - 128 - 150 - 162 - 183 - 180 - 200 - 240
 - 250 - 254 - 256 - 300 - 314 - 360 - 375 - 390 - 400 - 500 - 512 -
 576 - 600 - 625 - 635 - 720 - 750 - 800 - 900 - 1000 - 1024 - 1200 -
 1250 - 1270 - 1440 - 1500 - 1800 - 2000 - 2048 - 2500 - 2540 -
 2700 - 3600

Alimentazione (Vdc) - Voltage supply
 5 +5 V ±5 %
 11/30 +11V ±30 V
 24/5 +11/30 V supply + 5 V output

Frequenza in uscita - Output frequency
 S da- from 0 a - up to 50 kHz
 V da- from 0 a - up to 100 kHz

Grado di protezione - Protection class
 K1 IP 55 (EN60529) solo connessione "PS" - only "PS" connection
 K4 IP 64 (EN60529)

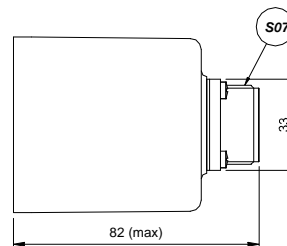
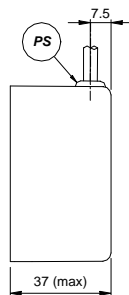
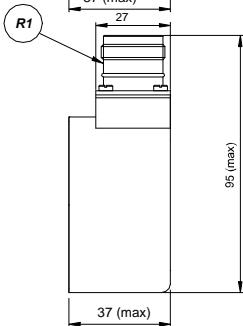
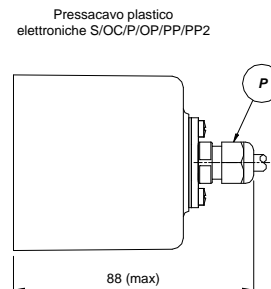
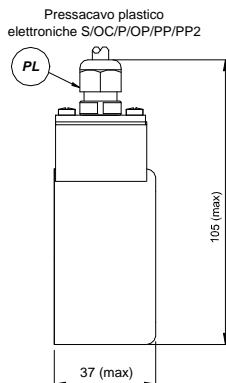
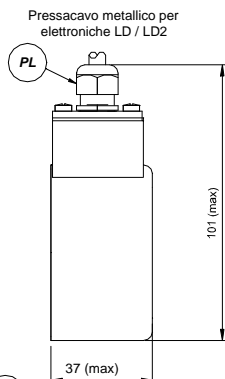
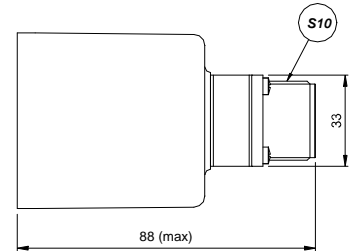
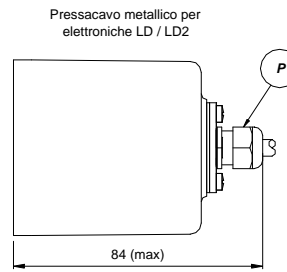
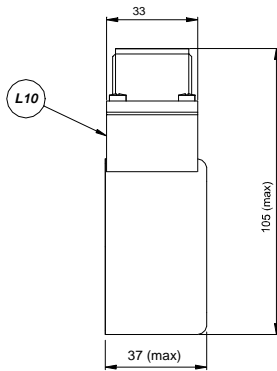
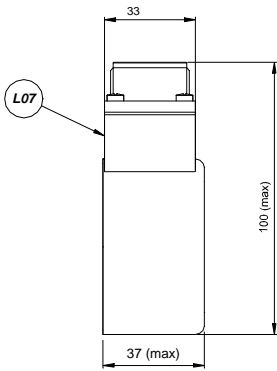
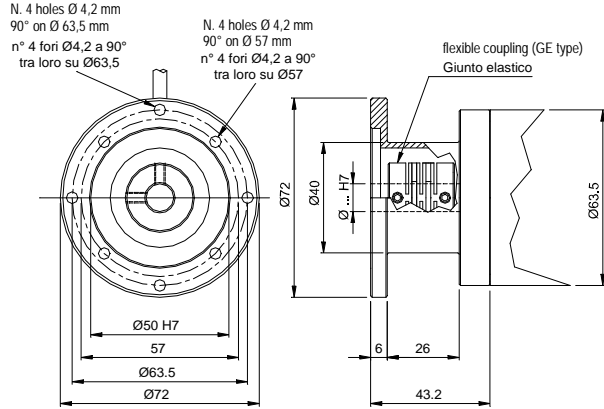
CIRCUITI DI USCITA - OUTPUT CIRCUITS
 S NPN standard (resistenza di pull-up inclusa - resistor included)
 OC NPN open collector
 P PNP (resistenza di pull-down inclusa - resistor included)
 OP PNP open collector
 PP2-5 Push-Pull 5 V output
 PP2-1130 Push-Pull 11/30 Vcc output (solo con alimentazione 11/30 V
 (only with voltage supply 11/30 V)
 LD Line driver RS422 (26LS31) solo - only 5 V o - or 24/5 V
 LD2-5 Line driver 5 Vcc output
 LD2-1130 Line driver 11/30 Vcc output (solo con alimentazione 11/30 V
 (only with voltage supply 11/30 V)

CONNESSIONI ELETTRICHE - ELECTRICAL CONNECTIONS
 OUTPUT: S ; P ; OC ; OP ; PP2 ; LD ; LD2 ; (escluso - except TKM7321)
 Pnn pressacavo assiale con cavo da 1 a 6 m; on axial cable gland with cable 1 ÷ 6 m long
 PLnn pressacavo radiale con cavo da 1 a 6 m; radial cable gland with cable 1 ÷ 6 m long
 PSnn gommino passacavo radiale con cavo da 1 a 6 m;
 cap radial cable gland with cable 1 ÷ 6 m long
 S 07 connettore circolare militare assiale a 7 poli; on 7 pins axial MIL connector
 L 07 connettore circolare militare radiale a 7 poli; on 7 pins radial MIL connector
 OUTPUT: LD ; LD2 (solo - only TKM7321)
 Pnn pressacavo assiale con cavo da 1 a 6 m; on axial cable gland with cable 1 ÷ 6 m long
 PLnn pressacavo radiale con cavo da 1 a 6 m; radial cable gland with cable 1 ÷ 6 m long
 PSnn gommino passacavo radiale con cavo da 1 a 6 m;
 cap radial cable gland with cable 1 ÷ 6 m long
 S 10 connettore circolare militare assiale a 10 poli; on 10 pins axial MIL connector
 L 10 connettore circolare militare radiale a 10 poli; on 10 pins radial MIL connector
 R1 connettore circolare "contact" radiale a 12 poli; on 12 pins radial "contact" connector
 nn Lunghezza cavo - Cable length (es. PL10 = 1 m. ... PL60 = 6 m)

Albero - Shaft
 6 Ø 6 mm
 8 Ø 8 mm
 9,52 Ø 9,52 mm
 10 Ø 10 mm

**MONTAGGIO MECCANICO
MECHANICAL ASSEMBLY**

= Standard
= Default



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