

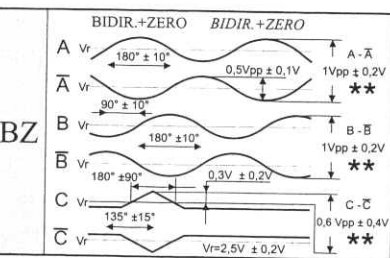
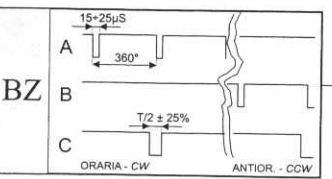
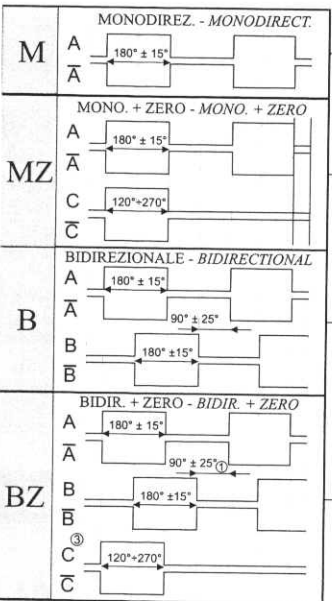
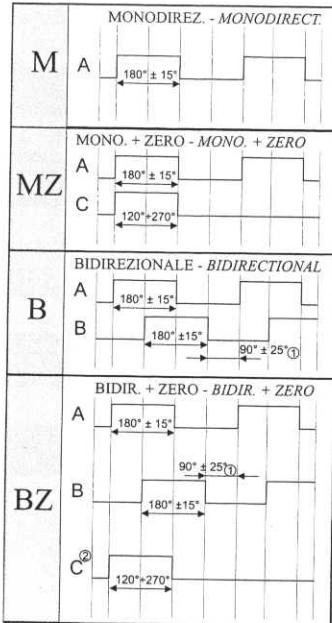
ELETRONICHE PER ENCODER INCREMENTALI - ELECTRONICS FOR INCREMENTAL ENCODERS  
 ELECTRONIQUES POUR CODEURS INCREMENTAUX - ELEKTRONIK FUER INKREMENTALE DREHGEBER

VERSIONE - VERSION

COD. CODE	SEGNALI IN USCITA OUTPUT SIGNALS
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ELETRONICA - ELECTRONIC - ELECTRONIQUE - ELEKTRONIK

COD. CODE	CIRCUITO CIRCUIT	TENSIONE OP. /VOLT.	COD. CODE	CIRCUITO CIRCUIT	TENSIONE OP. /VOLT.
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**K** STANDARD - I max 10 mA

**Q** NPN OPEN COLL. - I max 10 mA

**R** NPN - I max 70 mA

**R** NPN OPEN COLL. - I max 70 mA

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 12 m  
Max. CABLE LENGTH a 60 kHz

**N** LINE DRIVER 26LS31 - I max 20 mA

**T** TTL 7404 - I max 10 mA

**Z** LINE DRIVER 7272 - I max 30 mA

5V ± 5%

5V ± 5%

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 200 m  
Max. CABLE LENGTH a 100 kHz

Max. LUNGH. CAVO 15 m  
Max. CABLE LENGTH a 60 kHz

Max. LUNGH. CAVO 100 m  
Max. CABLE LENGTH a 100 kHz

**\*D** DISCRIMINAT. - I max 70 mA

5V ± 5%

8 + 15V

Max. LUNGH. CAVO 50 m  
Max. CABLE LENGTH a 10 kHz

**X** ELETRONICA SU SPECIFICA DEL CLIENTE  
 ELECTR. UPON CUSTOM SPECIFICATION

La frequenza limite è di 160 kHz (-3 dB). Il n° di impulsi standard è: 512, 1024, 2048 (altri a richiesta). Le sinusoidi sono a basso contenuto di armoniche.  
 The max. frequency is of 160 kHz (-3 dB). Standard no. of pulses is: 512, 1024, 2048 (others upon request). The sinewaves are at low harmonics content.

La fréquence max. est de 160 kHz (-3 dB). Il n° d'impulsions standard est: 512, 1024, 2048 (autres sur demande). Les sinusoides sont à bas contenu d'armoniques.  
 Die maximale Frequenz ist 160 kHz (-3 dB). Standard-Impulszahl ist: 512, 1024, 2048 (Andere auf Anfrage). Die Sinuskurven sind mit geringem des Oberwellen.

**P** PNP - I max 70 mA

**U** PNP OPEN COLL. - I max 70 mA

**B** PUSH-PULL - I max 70 mA

**H** PUSH-PULL - I max 70 mA

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 12 m  
Max. CABLE LENGTH a 60 kHz

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 12 m  
Max. CABLE LENGTH a 60 kHz

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 50 m  
Max. CABLE LENGTH a 100 kHz

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 50 m  
Max. CABLE LENGTH a 100 kHz

**C** LINE DRIVER 88C30 - I max 20 mA

**\*L** 2 x PUSH-PULL - I max 70 mA

**\*M** 2 X PUSH-PULL - I max 70 mA

5V ± 5%

8 + 15V

Max. LUNGH. CAVO 150 m  
Max. CABLE LENGTH a 100 kHz

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 50 m  
Max. CABLE LENGTH a 100 kHz

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 50 m  
Max. CABLE LENGTH a 100 kHz

**\*L** 2 x PUSH-PULL - I max 70 mA

**\*M** 2 X PUSH-PULL - I max 70 mA

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 50 m  
Max. CABLE LENGTH a 100 kHz

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 50 m  
Max. CABLE LENGTH a 100 kHz

- ① ± 35° SU VERSIONI ECONOMICHE  
± 35° ON LOW COST VERSION
  - ② PER MODELLI - FOR MODELS: 68, 90, 90D, 68BL
  - ③ PER MODELLO - FOR MODEL: 90D
- COMBINAZIONE LOGICA FASE "C"  
CON FASE "A" A RICHIESTA
- PHASE "C" WITH PHASE "A" LOGIC  
COMBINATION ON REQUEST

**\*Y**

Da 5V a 30V secondo alimentazione e tolleranze  
From 5V to 30V in according to power supply and tolerances

Max. LUNGH. CAVO 150 m  
Max. CABLE LENGTH a 100 kHz

SPECIFICHE CON CAVO ELCIS CV10FG - SPECIFICATIONS WITH ELCIS CV10FG CABLE  
 SPECIFICATIONS AVEC CABLES ELCIS CV10FG - SPEZIFIKATION MIT ELCIS KABEL CV10FG

\* DIPENDE DAI MODELLI - IN ACCORDING TO MODELS - SELON MODELES - JE NACH TYPEN  
 \*\* ALTRO A RICHIESTA - CUSTOM OPTIONS - AUTRES SUR DEMANDE - WEITERE AUF AUFRAGE