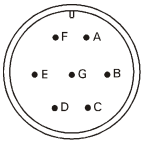
Connettore MIL da pannello 7 poli MS3102A 16S-1P
MIL panel connector 7 pins MS3102A 16S-1P

ELETTRONICHE - OUTPUT
NPN - PNP OPEN COLLECTOR - PUSH-PULL
(S, OC, P, OP, PP2)

Connessioni - *Connections* **S07 ; L07**

TYPE "A"



PIN A	0 Volt	Nero	*Black*
PIN B	Case		
PIN C	Out 1 (CH A)	Verde	*Green*
PIN D	Out Z (CH Z)	Blu	*Blue*
PIN E	Out 2 (CH B)	Giallo	*Yellow*
PIN F	+ Vcc	Rosso	*Red*
PIN G	N.C.		

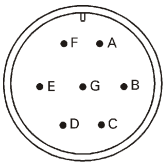
Connettore MIL da pannello 7 poli MS3102A 16S-1P
MIL panel connector 7 pins MS3102A 16S-1P

ELETTRONICHE
PUSH-PULL - LINE DRIVER
VERSIONE:
MONODIREZIONALE,
MONODIREZIONALE + ZERO,
BIDIREZIONALE (LD2, LD)

OUTPUT
PUSH-PULL - LINE DRIVER
VERSION:
UNIDIRECTIONAL,
UNIDIRECTIONAL+ZERO,
BIDIRECTIONAL (LD2, LD)

Connessioni - *Connections* **S07 ; L07**

TYPE "B"



	MONODIR. E BIDIREZIONALE *UNIDIR. AND BIDIRECTIONAL*			MONODIREZIONALE + ZERO *UNIDIR. + ZERO INDEX*		
PIN A	Out 1 (CH A)	Verde	*Green*	Out 1 (CH A)	Verde	*Green*
PIN B	Out 2 (CH B)	Giallo	*Yellow*	Out Z (CH Z)	Blu	*Blue*
PIN C	Out $\overline{1}$ (CH $\overline{A}$)	Marrone	*Brown*	Out $\overline{1}$ (CH $\overline{A}$)	Marrone	*Brown*
PIN D	+ Vcc	Rosso	*Red*	+ Vcc	Rosso	*Red*
PIN E	Out $\overline{2}$ (CH $\overline{B}$)	Rosa	*Pink*	Out $\overline{Z}$ (CH $\overline{Z}$)	Bianco	*White*
PIN F	0 Volt	Nero	*Black*	0 Volt	Nero	*Black*
PIN G	Case	Case	*Case*	Case	Case	*Case*

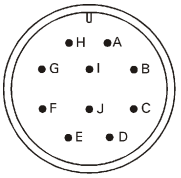
Connettore MIL da pannello 10 poli MS3102A 18-1P
MIL panel connector 10 pins MS3102A 18-1P

ELETTRONICHE
LINE DRIVER
VERSIONE: BIDIREZIONALE + ZERO
(LD2 - LD)

OUTPUT
LINE DRIVER
VERSION: (LD - LD2)
BIDIRECTIONAL+ZERO

Connessioni - *Connections* **S10 ; L10**

TYPE "C"



PIN A	Out 1 (CH A)	Verde	*Green*
PIN B	Out 2 (CH B)	Giallo	*Yellow*
PIN C	Out Z (CH Z)	Blu	*Blue*
PIN D	+ Vcc	Rosso	*Red*
PIN E	+ Vcc		
PIN F	0 Volt	Nero	*Black*
PIN G	Out $\overline{1}$ (CH $\overline{A}$)	Marrone	*Brown*
PIN H	Out $\overline{2}$ (CH $\overline{B}$)	Rosa	*Pink*
PIN I	Out $\overline{Z}$ (CH $\overline{Z}$)	Bianco	*White*
PIN J	Case		

Connettore da pannello 12 poli tipo "CONTACT"
Panel connector 12 pins type "CONTACT"

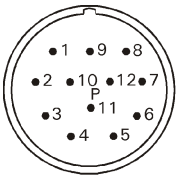
ELETTRONICHE NPN - PNP - OPEN COLLECTOR - PUSH-PULL CON O SENZA PROTEZIONE AL CORTO CIRCUITO - PUSH-PULL COMPLEMENTATO - LINE DRIVER (S, OC, P, OP, PP2, LD2, LD)

NPN PNP - OPEN COLLECTOR PUSH-PULL WITH OR WITHOUT SHORT CIRCUIT PROTECTION PUSH-PULL COMPLEMENTARY LINE DRIVER OUTPUT (S, OC, P, OP, PP2, LD2, LD)

Versione antioraria (standard) ed oraria (a richiesta), stessa assegnazione dei segnali
CCW (standard) and CW (option) version same signals

Connessioni - *Connections* **S1 ; R1**

TYPE "D"



PIN 1	Out $\overline{2}$ (CH $\overline{B}$)	Rosa	*Pink*
PIN 2	N.C.		
PIN 3	Out Z (CH Z)	Blu	*Blue*
PIN 4	Out $\overline{Z}$ (CH $\overline{Z}$)	Bianco	*White*
PIN 5	Out 1 (CH A)	Verde	*Green*
PIN 6	Out $\overline{1}$ (CH $\overline{A}$)	Marrone	*Brown*
PIN 7	N.C.		
PIN 8	Out 2 (CH B)	Giallo	*Yellow*
PIN 9	Case		
PIN 10	0 Volt	Nero	*Black*
PIN 11	N.C.		
PIN 12	+ Vcc	Rosso	*Red*

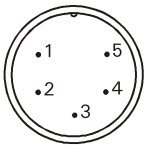
Connettore da pannello 5 poli tipo "LUMBERG"
Panel connector 5 pins type "LUMBERG"

ELETTRONICHE: (S, OC, P, OP, PP2)
NPN - PNP - OPEN COLLECTOR
PUSH-PULL CON O SENZA
PROTEZIONE AL CORTO CIRCUITO

OUTPUT:(S, OC, P, OP, PP2)
NPN PNP - OPEN COLLECTOR
PUSH-PULL WITH OR WITHOUT
SHORT CIRCUIT PROTECTION

Connessioni - *Connections* **S05 ; L05**

TYPE "E"



PIN 1	0 Volt	Nero	*Black*
PIN 2	+ Vcc	Rosso	*Red*
PIN 3	Out 1 (CH A)	Verde	*Green*
PIN 4	Out 2 (CH B)	Giallo	*Yellow*
PIN 5	Out Z (CH Z)	Blu	*Blue*

Connettore da pannello 8 poli tipo "LUMBERG"
Panel connector 8 pins type "LUMBERG"

ELETTRONICHE:
LINE DRIVER (LD2, LD)
VERSIONE: BIDIREZIONALE + ZERO

OUTPUT:
LINE DRIVER VERSION
BIDIRECTIONAL+ZERO

Connessioni - *Connections* **S08 ; L08**

TYPE "F"

PIN 1	0 Volt	Nero	*Black*
PIN 2	+ Vcc	Rosso	*Red*
PIN 3	Out 1 (CH A)	Verde	*Green*
PIN 4	Out 2 (CH B)	Giallo	*Yellow*
PIN 5	Out $\overline{1}$ (CH $\overline{A}$)	Marrone	*Brown*
PIN 6	Out $\overline{2}$ (CH $\overline{B}$)	Rosa	*Pink*
PIN 7	Out Z (CH Z)	Blu	*Blue*
PIN 8	Out $\overline{Z}$ (CH $\overline{Z}$)	Bianco	*White*

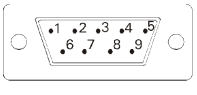
Connettore da pannello DB 9 poli
Panel connector DB 9 pins

ELETTRONICHE:
NPN - PNP OPEN COLLECTOR -
PUSH-PULL CON O
SENZA PROTEZIONE AL CORTO
CIRCUITO - LINE DRIVER
(S, OC, P, OP, PP2, LD2, LD)

OUTPUT:
NPN - PNP - OPEN COLLECTOR
PUSH-PULL WITH OR WITHOUT
SHORT CIRCUIT PROTECTION
LINE DRIVER
(S, OC, P, OP, PP2, LD2, LD)

Connessioni - *Connections* **D09**

TYPE "G"



PIN 1	0 Volt	Nero	*Black*
PIN 2	+ Vcc	Rosso	*Red*
PIN 3	Out 1 (CH A)	Verde	*Green*
PIN 4	Out 2 (CH B)	Giallo	*Yellow*
PIN 5	Out $\overline{1}$ (CH $\overline{A}$)	Marrone	*Brown*
PIN 6	Out $\overline{2}$ (CH $\overline{B}$)	Rosa	*Pink*
PIN 7	Out Z (CH Z)	Blu	*Blue*
PIN 8	Out $\overline{Z}$ (CH $\overline{Z}$)	Bianco	*White*
PIN 9	N.C.		

I valori sono validi all'interno dell'intervallo di frequenza e di temperatura definito per ogni singolo prodotto
The values are valid inner the interval of frequency and temperature defined for every single product

SI richiede cavo schermato 80% min.; *Screened cable shielded 80% min is requested.*

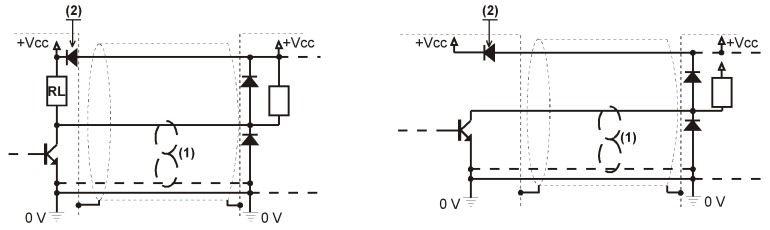
Vcc = tensione di alimentazione; *voltage supply*
Vc out = tensione di uscita; *output voltage*
Ic out = corrente di uscita; *output current*
RL = resistenza di carico interna; *load resistance*

(1) Protezione contro inversione di polarità non disponibile con tensione di alimentazione uguale a 5 Vcc e 5/30Vcc
(1) *Reverse polarity protection not available with 5 Vdc and 5/30 Vdc voltage supply.*

(2) Per versione TI44/TK25 si ha RL= 3,3 kW per Vcc=11/30 V
(2) *Version TI44/TK25: RL= 3,3 kW for Vcc=11/30 V*

V_{cc} (V)	RL (k) (2)
5 (1)	0,68
11÷30	4,7

S = NPN — OC = NPN Open collector



Lunghezza cavo max 6 mt a 50 kHz - *Max. length of cable 6 m at 50 KHz*
Tensione di alimentazione: 5 - 11÷30 Vcc ove possibile - *Voltage supply: Vcc 5 - 11÷30 where available*

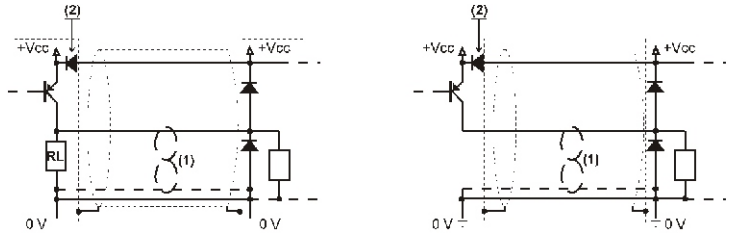
NPN

	V out	
I out	Logic "Low"	Logic "High"
≤50mA	≤0,6 V	=Vcc

OC

	V out	
I out	Logic "Low"	Logic "High"
≤50mA	≤0,6 V	open collector

P = PNP — OP = PNP Open collector



Lunghezza cavo max 6 mt a 50 kHz - *Max. length of cable 6 m at 50 KHz*
Tensione di alimentazione: 5 - 11÷30 Vcc ove possibile - *Voltage supply: Vcc 5 - 11÷30 where available*

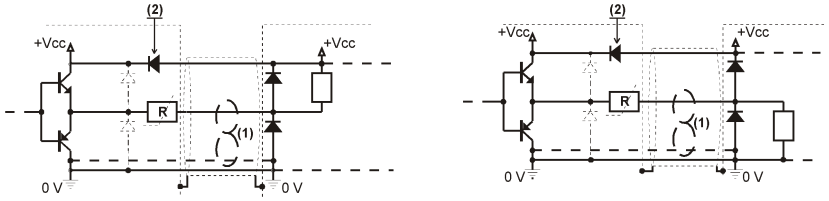
P

	V out	
I out	Logic "Low"	Logic "High"
≤50mA	0 V	Vcc -1V

OP

	V out	
I out	Logic "Low"	Logic "High"
≤50mA	open collector	Vcc -1V

PP2 = Push-pull con protezione attiva al corto circuito
PP2 = Push-pull with short circuit active protection



Lunghezza cavo max 6 mt a 50 kHz - *Max. length of cable 6 m at 50 KHz*
Tensione di alimentazione: 5 - 11÷30 Vcc ove possibile - *Voltage supply: Vcc 5 - 11÷30 where available*

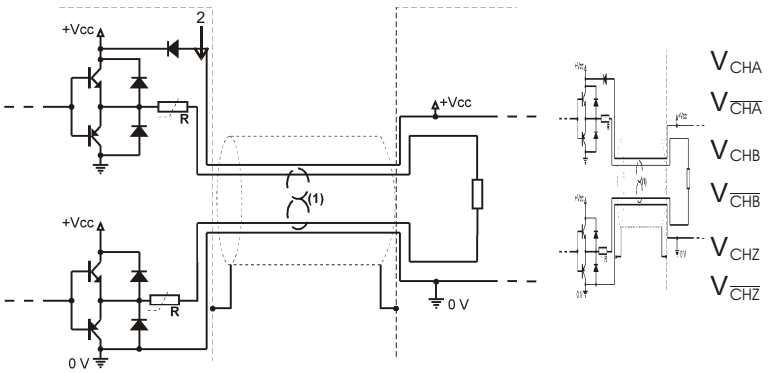
PP

	V out	
I out	Logic "Low"	Logic "High"
≤50mA	≤1 V	=Vcc - 2V

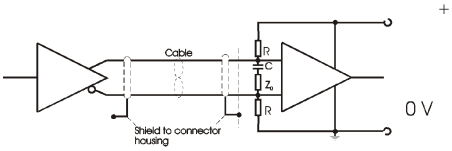
PP2

	V out	
I out	Logic "Low"	Logic "High"
≤35mA	≤ 1,5V	=Vcc -2V

LD2 = Line Driver con protezione attiva al corto circuito
LD2 = Line Driver with short circuit active protection



LD = Line Driver senza protezione al corto circuito
LD = Line Driver without short circuit protection



Valori suggeriti per tensione di alimentazione 5 Vcc: C= 10nF - Zo = 150Ohm - R = 4,7 kW
Line driver usato:
- Alimentazione 5 Vcc o 24-5 Vcc: 26LS31 - I out = 20 mA max
- Alimentazione 11 - 30 Vcc: MM88C30 - I out = 40 mA max
Line receiver raccomandato, rispettivamente: 26LS32 o MM88C20
Lunghezza cavo max 100 m a 100 kHz

Suggested value for 5 Vdc voltage supply: C = 10 nF - Zo = 150 Ohm - R = 4K7 Ohm
Used line driver:
Power supply 5 Vdc or 24-5 Vdc: 26LS31 I OUT = 20 mA max
Power supply 11 - 30 Vdc: MM88C30 - I OUT = 40 mA max
Recommended line receiver respectively: 26LS32 or MM88C20
Maximum cable length: 100m at 100 KHz