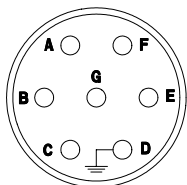


CONNETTORI MIL PER MB – SMB [TRANNE MB(A) 56]

Codice ordine – Order code: 08, 1, 2A-2C, 2B-2D, 2B8-2D8, 2VA-2VC, 2VX-2VV, 4, 5, 5V – [3, 3A-3C, 3A8-3C8, 31: signals]

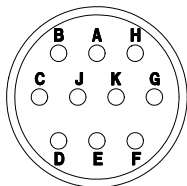


POTENZA – POWER

A	U
B	V
C	W
D	TERRA-GND
E	SCHERMO cavo – cable SHIELD
F	FRENO-BRAKE 0Vdc *
G	FRENO-BRAKE + 24Vdc *

* Freno polarizzato solo per taglie 145, 205 e serie SMB.

* Polarised brake for sizes 145, 205 and SMB series.

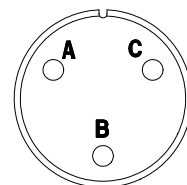


RESOLVER

A	EXCT +	G	SCHERMO cavo cable SHIELD
B	EXCT –	H	SCHERMO cavo cable SHIELD
C	COS –	K	PTC
D	COS +	J	PTC
E	SIN –		
F	SIN +		

ELETTROVENTILAZIONE – ELECTRIC FAN

	MB 105	MB 145	MB 205
A	0Vdc	220Vac	220Vac
B	24Vdc	220Vac	Connettere esternamente un condensatore da 1.5µF 400Vac al pin C – Connect outside 1.5µF 400Vac capacitor to pin C
C	N.C.	TERRA GND	220Vac



ENCODER INCREMENTALE
INCREMENTAL ENCODER

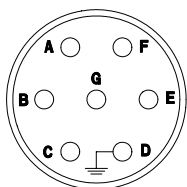
A	A	H	HALL A
B	A-	J	HALL B
C	B	K	5V
D	B-	L	0V
E	Z	M	PTC
F	Z-	N	SCHERMO cavo cable SHIELD
G	HALL C	R	PTC

ENCODER SINCOS+HIPERFACE
SINCOS+HIPERFACE ENCODER

A	COS+	H	N.C.
B	COS-	J	N.C.
C	SIN+	K	+Vdc
D	SIN-	L	0V
E	RS485+	M	PTC
F	RS485-	N	N.C.
G	SCHERMO cavo cable SHIELD	R	PTC

CONNETTORE MIL PER MB(A)56

Codice ordine – Order code: 08, 1, 2B-2D, 2VA-2VC, 2VX-2VV, 5



POTENZA - POWER

A	U	E	PTC
B	V	F	PTC
C	W	G	N.C.
D	TERRA – SCHERMO cavo GND – cable SHIELD		

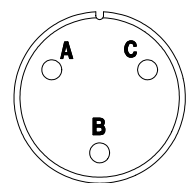
RESOLVER

A	EXCT +	G	SCHERMO cavo cable SHIELD
B	EXCT –	H	SCHERMO cavo cable SHIELD
C	COS –	K	N.C.
D	COS +	J	N.C.
E	SIN –		
F	SIN +		

FRENO - BRAKE

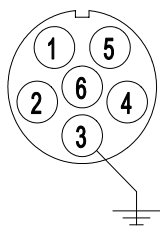
A	FRENO-BRAKE
B	FRENO-BRAKE
C	N.C.

Il freno deve essere alimentato a 24Vdc e non è polarizzato.
The brake shall be supplied at 24Vdc with no polarization.



CONNESSIONI INTERCONNECTOR PER MB(A)–SMB(A)

Codice ordine – Order code: 1IA-1IC, 2I, 2IA-2IC, 2IB-2ID, 2IAB-2IAD, 2ICB-2ICD, 2IF-2IG, 2R, 5I, 5IV – [3I: signals]

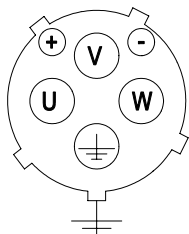


POTENZA - POWER
SMB(A)-MB(A)56,70,105,145

1	U
2	V
3	TERRA-GND
4	FRENO-BRAKE + 24Vdc
5	FRENO-BRAKE 0Vdc
6	W

Nota: collegare lo schermo del cavo alla carcassa del connettore.

Note: connect the cable shield to the connector casing.

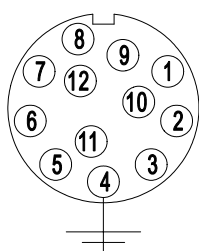


POTENZA - POWER
MB(A) 205

U	U
V	V
W	W
+	FRENO-BRAKE + 24Vdc
-	FRENO-BRAKE 0Vdc
⏏	TERRA-GND

Nota: collegare lo schermo del cavo alla carcassa del connettore.

Note: connect the cable shield to the connector casing.

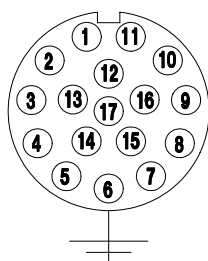


RESOLVER

1	SIN -	7	EXCT -
2	SIN +	8	PTC
3	N.C.	9	PTC
4	SCHERMO cavo cable SHIELD	10	EXCT +
5	N.C.	11	COS +
6	N.C.	12	COS -

Nota: collegare lo schermo del resolver alla carcassa del connettore.

Note: connect the resolver shield to the connector casing.



ENCODER INCREMENTALE
INCREMENTAL ENCODER

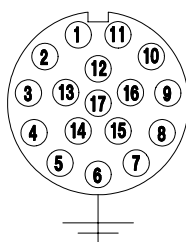
1	5V	7	Z+	13	HALL B+
2	0V	8	PTC	14	HALL B-
3	A+	9	PTC	15	HALL C+
4	A-	10	Z-	16	HALL C-
5	B+	11	HALL A+	17	N.C.
6	B-	12	HALL A-		

Nota: collegare lo schermo dell'encoder alla carcassa del connettore.

Note: connect the encoder shield to the connector casing.

ENCODER ASSOLUTO (SINCOS+ENDAT)
ABSOLUTE ENCODER (SINCOS+ENDAT)

1	UP SENSOR	10	0 V
2	N.C.	11	SCHERMO cavo interno cable inner SHIELD
3	N.C.		
4	0 V SENSOR	12	B +
5	PTC	13	B -
6	PTC	14	DATA +
7	UP	15	A +
8	Clock +	16	A -
9	Clock -	17	DATA -



ENCODER ASSOLUTO (SINCOS+HIPERFACE)
ABSOLUTE ENCODER (SINCOS+HIPERFACE)

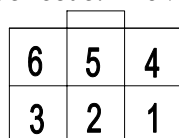
1	SIN +	9	PTC
2	SIN -	10	+ Vdc
3	RS485 +	11	COS +
4	N.C.	12	COS -
5	N.C.	13	RS485 -
6	N.C.	14	N.C.
7	0V (TERRA) 0V (GND)	15	N.C.
		16	N.C.
8	PTC	17	N.C.

Nota: collegare lo schermo dell'encoder alla carcassa del connettore.

Note: connect the encoder shield to the connector casing.

CONNETTORE FASTON/MOLEX PER SMB40 – SMB60

Codice ordine – Order code: 0V



POTENZA - POWER

1	TERRA – SCHERMO cavo GND – cable SHIELD	4	W
2	FRENO – BRAKE 0Vdc	5	V
3	FRENO – BRAKE +24Vdc	6	U

RESOLVER

12	11	10	9	8	7
6	5	4	3	2	1
1	N.C.	5	PTC	9	COS +
2	N.C.	6	TERRA – SCHERMO cavo GND – cable SHIELD	10	COS -
3	N.C.	7	SIN +	11	EXTC -
4	PTC	8	SIN -	12	EXTC +

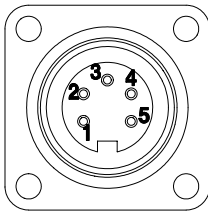
ENCODER ASSOLUTO – ABSOLUTE ENC. (SINCOS+ENDAT)

12	11	10	9	8	7
6	5	4	3	2	1

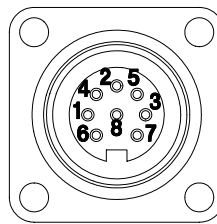
1	UP SENSE	5	CK +	9	B +
2	0V SENSE	6	CK –	10	B –
3	UP	7	A +	11	DATA +
4	0V	8	A –	12	DATA –

CONNETTORE AMPHENOL PER SMB40

Codice ordine – Order code: 0P, 1A-1C, 2DA-2DC, 2BA-2BC, 2YA-2YC



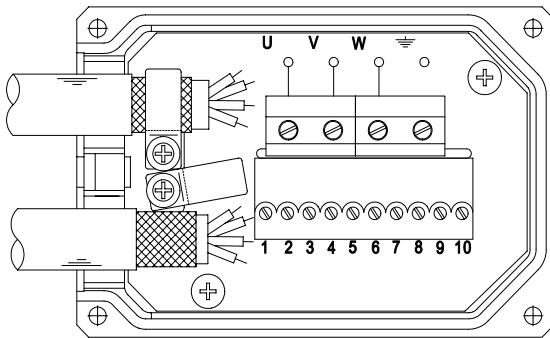
POTENZA – POWER	
1	U
2	SCHERMO cavo cable SHIELD
3	V
4	TERRA-GND
5	W



RESOLVER	
1	EXTC +
2	EXTC –
3	COS –
4	COS +
5	SIN –
6	SIN +
7	TERRA – SCHERMO cavo GND – cable SHIELD
8	N.C.

SCATOLA MORSETTIERA PER MB(A)56 – SMB(A)60

Codice ordine – Order code: 3M, 3MB, 3MA-3MC

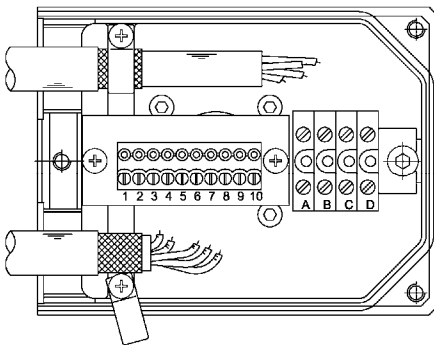


POTENZA - POWER	
A	U
B	V
C	W
	TERRA-GND

RESOLVER			
1	EXCT +	6	SIN +
2	EXCT –	7	PTC
3	COS –	8	PTC
4	COS +	9	FRENO–BRAKE +24Vdc
5	SIN –	10	FRENO–BRAKE 0Vdc

SCATOLA MORSETTIERA PER MB(A)70-105 - SMB(A)82-100-115

Codice ordine – Order code: 3M, 3MB, 3MA-3MC

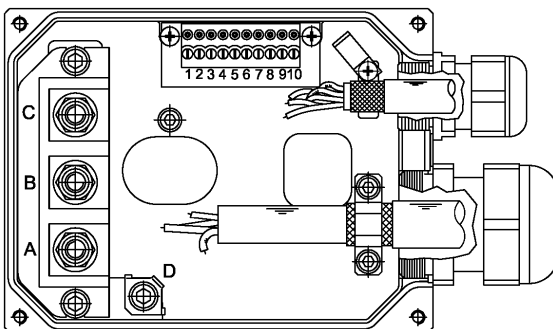


POTENZA - POWER	
A	U
B	V
C	W
D	TERRA-GND

RESOLVER			
1	EXCT +	6	SIN +
2	EXCT –	7	PTC
3	COS –	8	PTC
4	COS +	9	FRENO–BRAKE +24Vdc
5	SIN –	10	FRENO–BRAKE 0Vdc

SCATOLA MORSETTIERA PER MB(A)145-205 SMB(A)142

Codice ordine – Order code: 3M, 3MB, 3MA-3MC

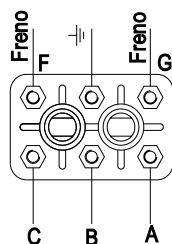


POTENZA - POWER	
A	U
B	V
C	W
D	TERRA-GND

RESOLVER			
1	EXCT +	6	SIN +
2	EXCT –	7	PTC
3	COS –	8	PTC
4	COS +	9	FRENO–BRAKE +24Vdc
5	SIN –	10	FRENO–BRAKE 0Vdc

MORSETTIERA DI POTENZA

Codice ordine – Order code: 3, 3A-3C, 3A8-3C8, 3I, 31

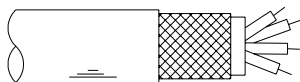


POTENZA - POWER

A	U
B	V
C	W
F	FRENO-BRAKE 0Vdc
G	FRENO-BRAKE +24Vdc
	TERRA-GND

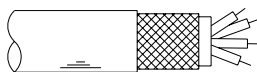
Fili volanti – Flying cables

Codice ordine – Order code: 0



POTENZA - POWER

Bianco – white	U	Blu – blue	W
Verde – green	V	Nero – black	TERRA
Rosso – red		Giallo/verde	GND
		Yellow/Green	



RESOLVER

Bianco/rosso	EXCT +
White/red	
Bianco/giallo	EXCT -
White/yellow	
Giallo – Yellow	COS +
Blu – Blue	COS -
Rosso – Red	SIN +
Nero – Black	SIN -
Blu – Blue	PTC
Blu – Blue	PTC
Giallo/verde	GND
Yellow/Green	

ENCODER

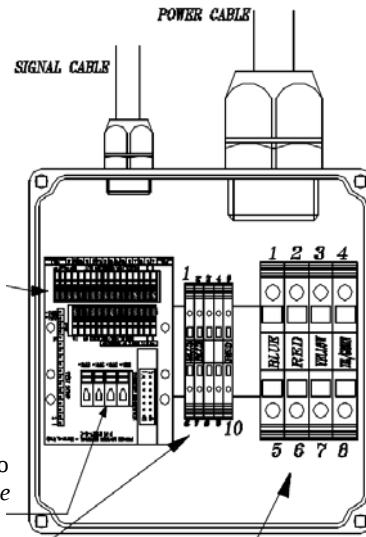
Rosso	Dc +5V	Giallo/nero	Z-
Red		Yellow/black	
Nero – Black	GND	Marrone – Brown	U
Blu	A	Marrone/nero	U-
Blue		Brown/black	
Blu/nero	A-	Grigio – Grey	V
Blue/black		Grigio/nero	V-
Verde	B	Grey/black	
Green		Bianco – White	W
Verde/Nero	B-	White/black	
Green/Black			
Giallo	Z		W-
Yellow			

SCATOLA MORSETTIERA PER MB(SV)265

Codice ordine – Order code: 3MB

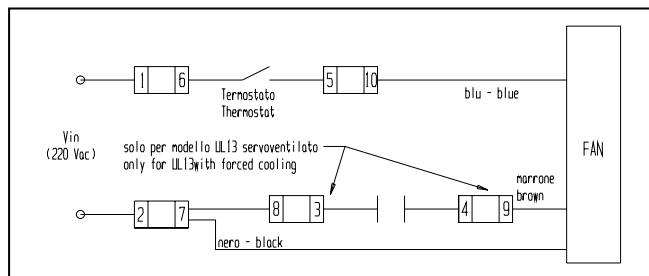
FEEDBACK – SIGNAL CABLE

PIN	(DIG.) E-F-G-O-T	(SINCOS) S	(RESOLVER) R	(ENDAT) M-N	(ENDAT) C
1	+Vcc	R+ (index)	+ REF	N.C.	UP sense
2	Ground	R- (index)	- REF	N.C.	0V sense
3	Hall 2 neg	A+, 2048c/r	Sin +	A+	A+
4	Hall 2	A-, 2048c/r	Sin -	A-	A-
5	Hall 1	B+, 2048c/r	Cos +	B+	B+
6	Hall 1 neg	B-, 2048c/r	Cos -	B-	B-
7	A	Common	PTC -	Common	0V supply
8	-A	+Vcc (5Vdc)	N.C.	+Vcc (7-10Vdc)	UP supply
9	-C	Cos +	N.C.	CLOCK	CLOCK
10	C	Cos -	N.C.	CLOCK-	CLOCK-
11	Hall 3	Sin +	N.C.	DATA	DATA
12	Hall 3 neg	Sin -	N.C.	DATA-	DATA-
13	-B	N.C.	N.C.	N.C.	N.C.
14	B	N.C.	N.C.	N.C.	N.C.
15	PTC +	PTC +	PTC +	PTC +	PTC +
16	PTC -	PTC -	N.C.	PTC -	PTC -
17	Reserved	Reserved	Reserved	Reserved	Reserved
18	Reserved	Reserved	Reserved	Reserved	Reserved



POWER CONNECTOR

1	Blue	A (IN)
2	Red	B (IN)
3	Yellow	C (IN)
4	Y/G	Ground
5	Blue	A (motor)
6	Red	B (motor)
7	Yellow	C (motor)
8	Y/G	Ground



Per altri modelli di motori fare riferimento al sito www.sbcelettronica.com. Modifiche ai dati del manuale possono essere eseguite a discrezione del costruttore senza preavviso. I dati riportati nel manuale corrispondono alle specifiche relative alla data della revisione.

For other motor models log into website www.sbcelettronica.com. The manufacturer reserves the right to change the technical specification of any product without notice. All data shown in the manual is correct at the time of revision.