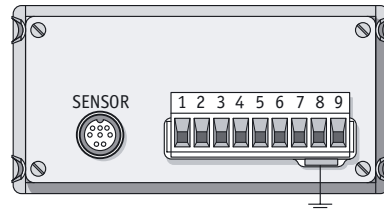


Appendix/Pin Outs 1

MA505

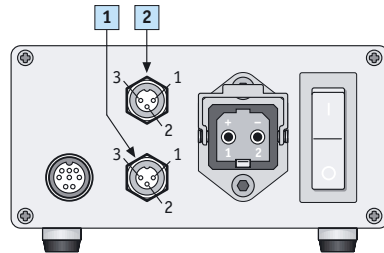
Panel-mount housing



PIN	Connection
1	CAL calibration input
2	UB = +12 V
3	GND
4	N.C.
5	RS232 RXD interface
6	RS232 TXD interface
7	PE
8	N (230/115 V AC), GND (24 V DC)
9	L (230/115 V AC), UB (24 V DC)

MA505

Bench-top housing
24 Volt

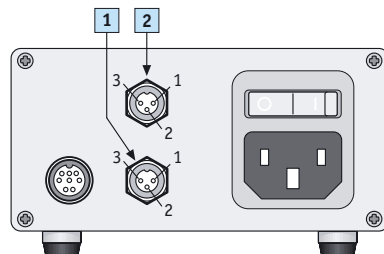


1	PIN	Calibration input connection
1	1	CAL
2	2	GND
3	3	+UB

2	PIN	Interface connection
1	1	GND
2	2	RXD/DÜB
3	3	TXD/DÜA

MA505

Bench-top housing
230 Volt

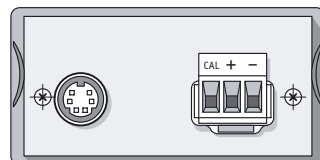


1	PIN	Calibration input connection
1	1	CAL
2	2	GND
3	3	+UB

2	PIN	Interface connection
1	1	GND
2	2	RXD/DÜB
3	3	TXD/DÜA

MA561

Panel-mount housing

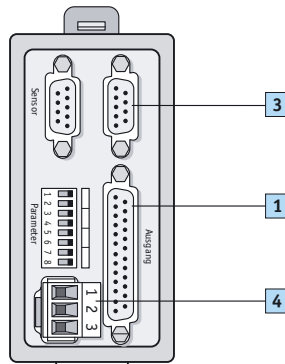


Name	Connection
+	+UB = 10 ... 30 V DC
-	GND
CAL	Reset

Appendix/Pin Outs 2

AEA

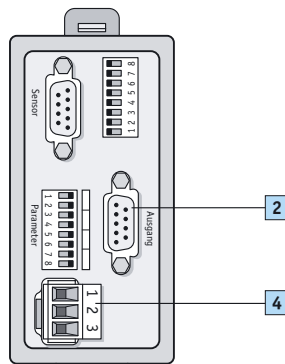
Parallel, SSI



1	PIN	Parallel	SSI
	1	D0	clock +
	2	D1	clock -
	3	D2	data +
	4	D3	data -
	5	D4	GND
	6	D5	N.C.
	7	D6	N.C.
	8	D7	N.C.
	9	D8	N.C.
	10	D9	N.C.
	11	D10	N.C.
	12	D11	N.C.
	13	D12	N.C.
	14	D13	N.C.
	15	D14	N.C.
	16	D15	N.C.
	17	D16	N.C.
	18	D17	N.C.
	19	D18	N.C.
	20	D19	N.C.
	21	N.C.	N.C.
	22	N.C.	N.C.
	23	N.C.	N.C.
	24	GND	N.C.
	25	GND	N.C.

AEA

Profibus output



2	PIN	Connection	PIN	Connection
	1	N.C.	6	2P5
	2	N.C.	7	N.C.
	3	B-LINE	8	A-LINE
	4	RTS	9	N.C.
	5	2M		

AEA

Interfaces

3	PIN	RS232	RS485
	1	N.C.	N.C.
	2	RXD	N.C.
	3	TXD	DÚA
	4	N.C.	N.C.
	5	GND	GND
	6	N.C.	N.C.
	7	N.C.	N.C.
	8	N.C.	DÚB
	9	N.C.	N.C.

AEA

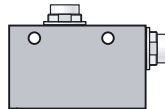
Terminal strip

4	PIN	Connection
	1	+ UB = 24 V DC
	2	GND
	3	PE

Appendix/Pin Outs 3

MSA510 + KV07-0

EX connection type
open connector



Output circuits, EX connection (only MSA510)

PIN	Typ SSI Signal	Typ RS485 Signal
1	zeroing/config.	n.c.
2	+UB	+UB
3	data+/DÜA	DÜA
4	data-/DÜB	DÜB
5	GND	GND
6	clock+	n.c.
7	clock-	n.c.

E1 connection type
flying leads



Output circuits, E1 connection (only MSA510)

Cable colour	Typ SSI Signal	Typ RS485 Signal
white	zeroing/config.	n.c.
brown	+UB	+UB
green	data+/DÜA	DÜA
yellow	data-/DÜB	DÜB
grey	GND	GND
pink	clock+	-
blue	clock-	-

E8 connection type
9-pin D-SUB connector



Output circuits, E8 connection (only MSA510)

PIN	Typ SSI Signal	Typ RS485 Signal
1	+UB	+UB
2	clock+	n.c.
3	data+/DÜA	DÜA
4	zeroing/config.	n.c.
5	GND	GND
6	n.c.	n.c.
7	clock-	n.c.
8	data-/DÜB	DÜB
9	n.c.	n.c.

MSA511 + KV12-0



Pin outs

MSA511 PIN	KV12-0 Core colour	Typ SSI Signal
A	blue	SSI data-
B	red	SSI data+
C	green	SSI clock-
D	violet	SSI clock+
E	yellow	+24 V DC
F	pink	sine
G	red-blue	RS485 DÜA
H	white	RS485 DÜB
I	grey-pink	GND
K	grey	n.c.
L	black	zeroing input
M	brown	cosine