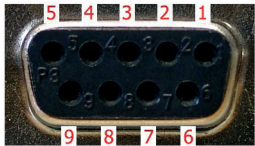
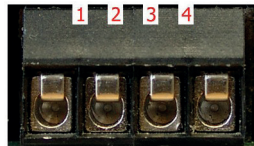


A Referenzschalter



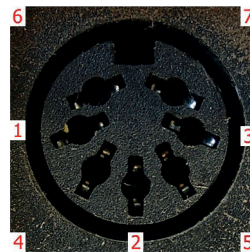
	2	Eingang A-Achse	E5
WH	3	Eingang Z-Achse	E3
YE	4	Eingang Y-Achse	E2
GN	5	Eingang X-Achse	E1
BN	8	GND	

B Relais 3 + 4



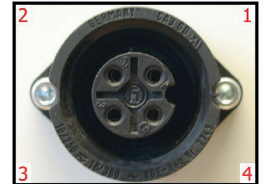
Σ	1	Relais 3	potential frei 4A
	2	Relais 3	
Σ	3	Relais 4	potential frei 4A
	4	Relais 4	

C Werkzeuglängensensor



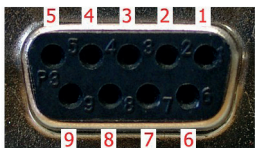
1		GND	WLS
2		+5V	
3	Eingang	E4	

H Bremse Z-Achse
ab 04/2018



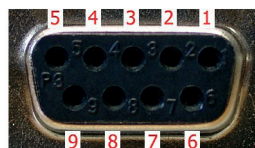
1	-
2	+19V zur Bremse
3	-
	GND/Masse zur Bremse

E Achsen X-Y-Z-A



WH	1	Motorwicklung	A
BN	2	Motorwicklung	A-
GN	3	Motorwicklung	B
YE	4	Motorwicklung	B-
	7	Referenzschalter OPTION	EX
	8	Referenzschalter OPTION	GND

F Handrad



1	Not-Aus
2	Kommunikation
3	Kommunikation
4	Kommunikation
5	Not-Aus
6	GND
7	GND
8	Kommunikation
9	Kommunikation

G Spindel-drehzahl



1	Spindeldrehzahl	0-10V
2	Spindeldrehzahl	GND
3		+5V
4	Masse	GND
5		-
6		-
7		-
8	OPTIONAL	0-20mA
9	OPTIONAL	GND

I E/A-Port



	1	E12
	2	E14
	3	E16
	4	A5
	5	A7
	6	A9
	7	A11
Σ	8	+ 5V
	9	E13
	10	E15
	11	GND
	12	A6
	13	A8
	14	A10
	15	A12

D NOT-Aus extern Start



1	NOT-AUS	Σ
9	NOT-AUS	
3	ext. Start	Σ
7	ext. Start	

OUTPUT

Electrical diagram	Description
	- Open Collector Output - max current 300 mA

INPUT

Electrical diagram	Description
	- Voltage controlled input - min voltage +5 V - max voltage +24 V

Pin 8 + 10
Haubenschalter