

SAUTER DISK-type tool turret

0.5.4.8.9.5..

Wiring layout

EP-5

Mechanical and electrical position 1

Designation	Element/Function	Line	Cable X1-X4 12x0.34 mm²	Connector 14-contacts X3	Connector 14-contacts X4	Type	Supplier
S1	Angular encoder 1Bit 2Bit 3Bit 4Bit 5Bit Strobe Parity screen	brown (+) blue (-) white yellow green black grey black pink transparent	12 11 1 2 3 4 5 6 7 13		A B C D E F G H N	BR032-W58 08EP-P-1-K BR000-WCD16-EP-P-1-K	Balluff Neuhäusen
S7	Proximity-Detector control pre-indexing	brown (+) blue (-) black	12 11 8		I	BES 516-324-E0-C-01	Balluff Neuhäusen
R1	Posistor-heal detector	blue blue blue	14 15 15	A B C		PTC-Thermistor DN 44081 U≤4V DC	
M1	3-Phase A.C. Motor (release-indexing-locking)	② 2U 2V 2W 1U 1V 1W	U1 V1 W1 U2 V2 W2				SAUTER
Y1	Ground Solenoid pre-indexing	brown (+) blue (-) white	16 17 110			24V-, 2.0A to size S16 40%ED, 2.8A from S20	Schulz Kempten
U1	Probe Measured value Transfer	0V Trigger-Signal +15V DC red screen	111 112 113				

① for this, protective motor switch (thermistor) is required. Without thermistor motor protector no guarantee in case of motor failure.

③ Diode 1N4006 (mounted to terminals).

④ depending on the turret's outfit

⑤ for 16 positions only

Driving Motor with two speeds

Motor M1 (6 wires) Connection to terminals	increasing positions sequence CCW	increasing positions sequence CW
low voltage U1 U2 V1 V2 W1 W2	black blue brown white red black	brown blue black white red black
high voltage U1 U2 V1 V2 W1 W2	black blue brown white red black	brown blue black white red black

CA 02 COM-E20-27-P-B-01 Connector X4 14-contacts

CA 02-COM-E22-19-P-B-01 Connector X3 14-contacts

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