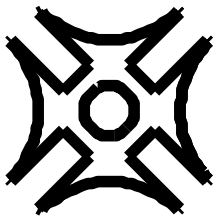
Cutting machine

Type C066 M

Translation of the original operating manual



Burst & Zick GmbH

Retention of Title

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Date of issue:	December 2022
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EC Declaration of Conformity
In according to EC Machinery Directive 2006/42/EC
Appendix II A

We herewith declare that the machine described hereinafter satisfies the essential safety and health requirements set out in the EC Machinery Directive with regard to its design and construction as well as the type marketed by us.

In case of an alteration of the machine without our agreement this declaration shall become void.

We furthermore point out that for the installation of spare parts only original parts of the company Burst & Zick GmbH may be used.

Description of the machine:	**Cutting machine**
Machine type:	**C066 M**
Machine number:	
Applicable directives:	EC Machinery Directive (2006/42/EC appendix II A) EC Low Voltage Directive (2014/35/EC); EC Electromagnetic Compatibility Directive (2014/30/EC)
Applied harmonized standards, particularly:	EN ISO 12100; 2010 DIN EN 13857 DIN EN 60204-1; 2019 DIN EN 61000-6-1; 2019 DIN EN 61000-6-3; 2022 DIN EN 14070 was pulled up informatively
Attachment of the CE label:	**CE**
Place/Date/Signature:	Karlsruhe, den 02.12.2022

Bernd Adler Managing director

General

1. Notes on industrial safety

The following notes on industrial safety have to be specially adhered to:

- The cutting machine C066 M has been constructed according to the current state of the art and conforms to the ESD regulations. Nevertheless, perils may arise from this machine if it is used by untrained personnel or for other than the intended purposes.

- **Statement on the residual risk**

  1. Danger of electric shock if the switchbox is opened while voltage-carrying. Work in and on the electrical equipment may principally only be carried out by qualified electricians.
  2. Danger of contusion and shearing during setup operation.
  3. The electric motor can reach an operating temperature of more than 60°C/140°F.

  The danger areas are marked with signs.





- Applicable accident prevention regulations have to be adhered to by the user, particularly the

  - DGUV Regulation 1

- The machine may only be operated by trained qualified personnel.

- Any mode of operation which can impair the safety of the machine has to be refrained from.

- The user undertakes to operate the machine only in perfect condition.

- Unauthorized alterations or variations which impair safety have to be refrained from.

- Safety devices may principally not be dismantled or put out of operation. If it is indispensable to dismantle safety devices for the purpose of tool changes or for maintenance and repair work, the safety device has to be reinstalled immediately afterwards.

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3. General description

The cutting machine C066 M has been specially developed for the processing of taped components. The cutting length can be adjusted by a knurled screw and can be read on a scale. The drive is a motor.

Options:

1. Preselection and quantity counter

Operational sequence

The component belt is insert by hand into the machine. A transport which is driven by a controllable direct current motor transports the components to the cutting blade which cuts off the components. The cut component fall as bulk in a container. The machine has a reversing switch to run the transport forward or backward.

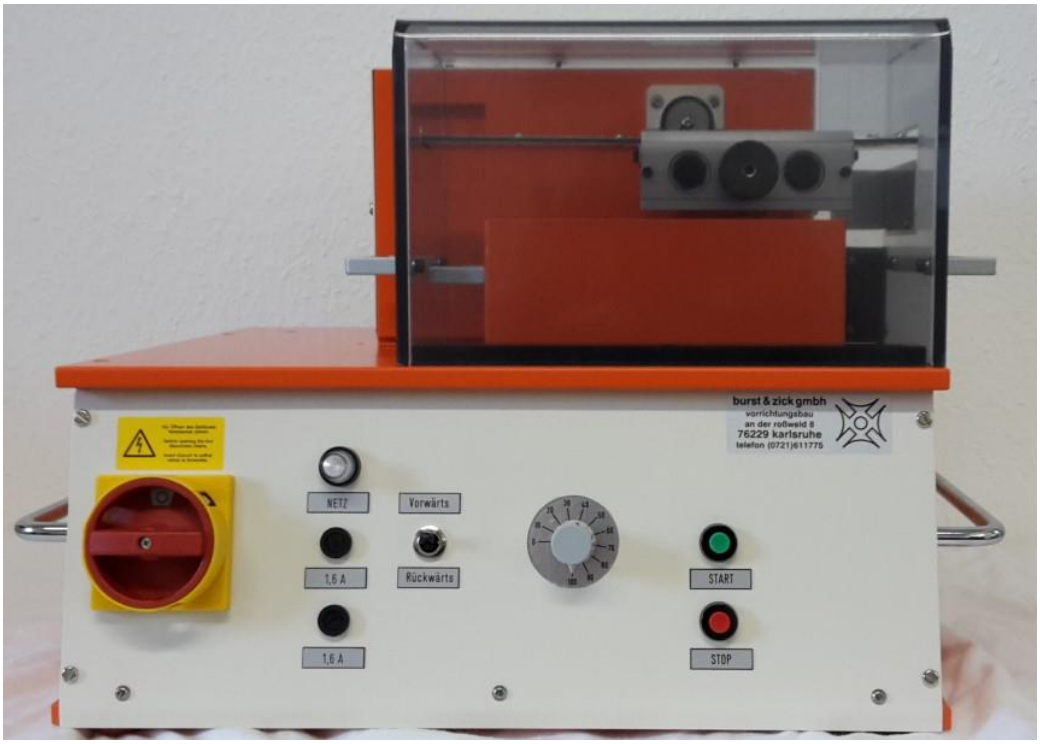


Fig. 1
Cutting machine C066 M

4. Technical data

Dimensions	Widht: Depth: Height:	510 mm 330 mm 380 mm
Weight:		27 Kg
Cycle time:		app. 30000 components / hour
Electrical connection		Earthing pin plug 230 V / 50 Hz or 115V 50/60 Hz look at the label
Pitch size		12,7mm or 15 mm carried out by transport change
Lead Ø	Vertical:	max. 0,8 mm

Commissioning

1. Installation

The machine is delivered fully assembled and installed. Please check the shipment immediately with the help of the delivery note and/or the packing list. In case the consignment is incomplete or if damages have occurred during transport, please inform us immediately.

The machine may only be used indoors.Place the machine on a stable, level working table.

2. Electric connection

1. Connect power cable with 230V / 50 Hz or 115V 50/60 Hz socket. Look at the label witch Voltage you need.
2. For safety reasons, we recommend plugging in a residual current operated circuit breaker (for example personal safety plug BDI A 230 Brennenstuhl) if there is no residual current operated circuit breaker in the circuit used.



3. Working with the machine

3.1 Insert component belt

The insertion of the belt happens from right to left. Put the component belt into the machine as shown in figure 2 to avoid a jamming of the component belt.

The component belt is slide onto the transport pins of the conveyor belt. To adjust the length of the wire, remove the protective cover by unscrewing the two thumbscrews and remove the cover towards the front (figure 3). Loosen the screw next to the scale. The lenght of the component legs can be adjusted by the knurled nut and the scale read in front of the transport belt. After adjustment, tighten the set screw and close the cover (figure. 3).

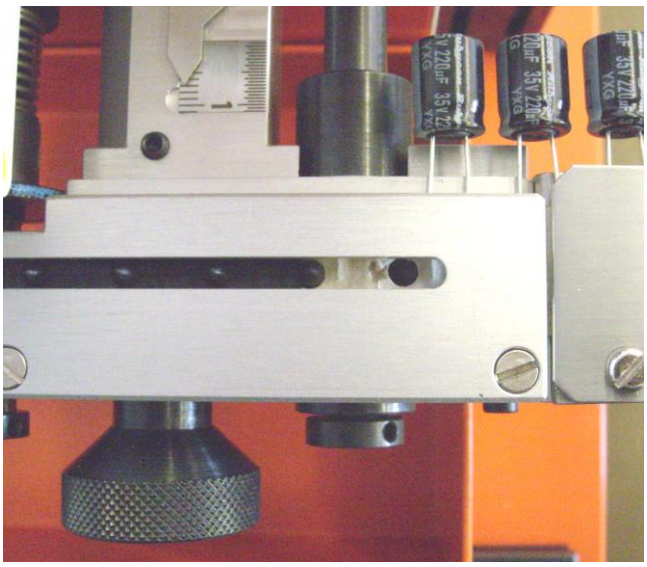


Fig. 2
Insert component belt

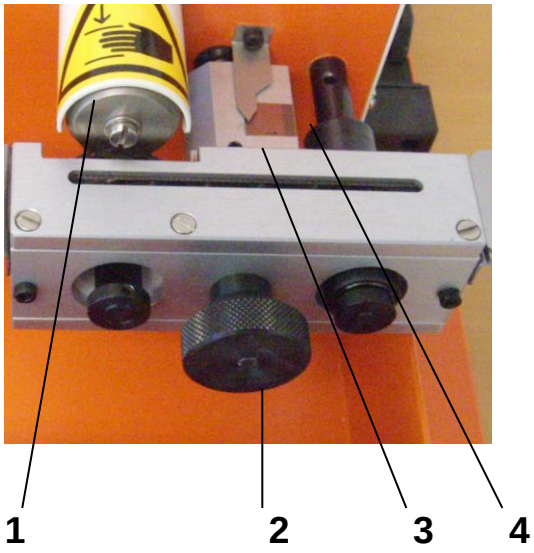
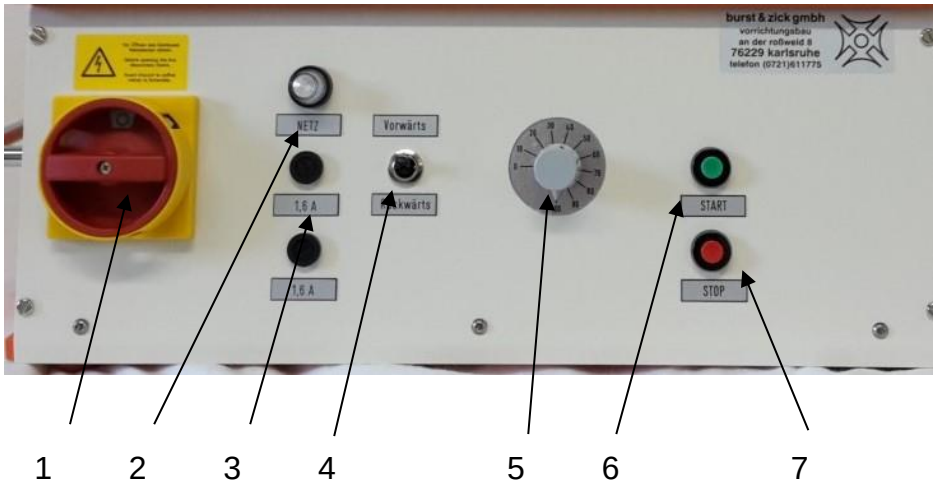


Fig. 3
Transport unit

1. Cutting wheel
2. Knurled nut
3. Grub screw
4. Scale

3.2 Switch on the machine

1. Insert component belt
2. Close protection cover (for safety reasons the machine can only be started when the protective cover is closed).
3. Switch on the machine at the main switch
4. If the machine has an counter so this has to be reset immediately for the start.
5. Press start.
6. Gradually increase speed on the potentiometer until the desired cycle time is reached. Normaly 100 %.



1. Main switch
2. Power lamp
3. Fuses
4. Direction switch
5. Speed control
6. Start
7. Stop

Fig. 4 operating elements

Retool

1. General Notes on the adjustment

- Machine retooling and maintenance cover to prevent accidental (unauthorized) switching can be carried out.
- Pull ON / OFF switch to **OFF** and power plug
- After all adjustments to be carried out on the machine please ensure that all unscrewed screws, bolts and nuts are tightened again, even if this is not expressly mentioned in the following text.
- All protection and safety devices that were removed must be fitted again necessarily



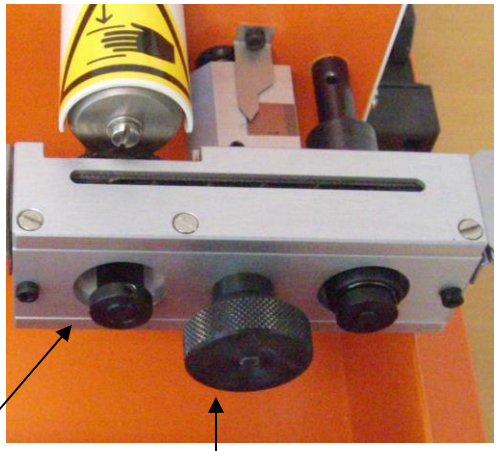

2. Retool pitch size to 12,7 mm

- Secure machine as described in point 1
- Remove protective cover
- Unsrew and remove the grub screw from the left adjusting collar and remove it.
- Unscrew the knob from the cutting length adjustment.
- Remove the transport forward.
- Push the 1275mm tractor on the two guides
- Screw in the knob of the cutting length adjustment.
- Place the two collars and tighten the screws
- Screw on the sheet on the protection cover for safety.

Look figure 5 and 6.

The protecting sheet (fig.6) must necessarily be mounted, otherwise the machine does not have adequate protective guard!



Collar with grub screw

Knurled nut to adjust the cutting length

Fig.. 5
Tractor



Fig. 6
Protective cover 12,7mm pitch

3. Retool pitch size to 15 mm

- Secure machine as described in point 1
- Remove protective cover
- Unsrew and remove the grub screw from the left adjusting collar and remove it.
- Unscrew the knob from the cutting length adjustment.
- Remove the transport forward.
- Push the 15 mm tractor on the two guides
- Screw in the knob of the cutting length adjustment.
- Place the two collars and tighten the screws
- Screw on the sheet on the protection cover for safety.

Look figure 5 and 6.



4. Change cutting wheel

- Secure machine as described in point 1
- Remove protective cover
- Unscrew the Allen screw from the cutting wheel (fig. 7 pos.17)
- Remove cutting wheel
- Put a new cutting wheel and tighten with the Allen screw



5. Change cutting roll

- Secure machine as described in point 1
- Remove protective cover
- Remove tractor
- Unscrew the Allen screw from the cutting wheel (fig. 7 pos.17) therby the cutting wheel is pressede by the spring forward (fig. 7 pos. 19)

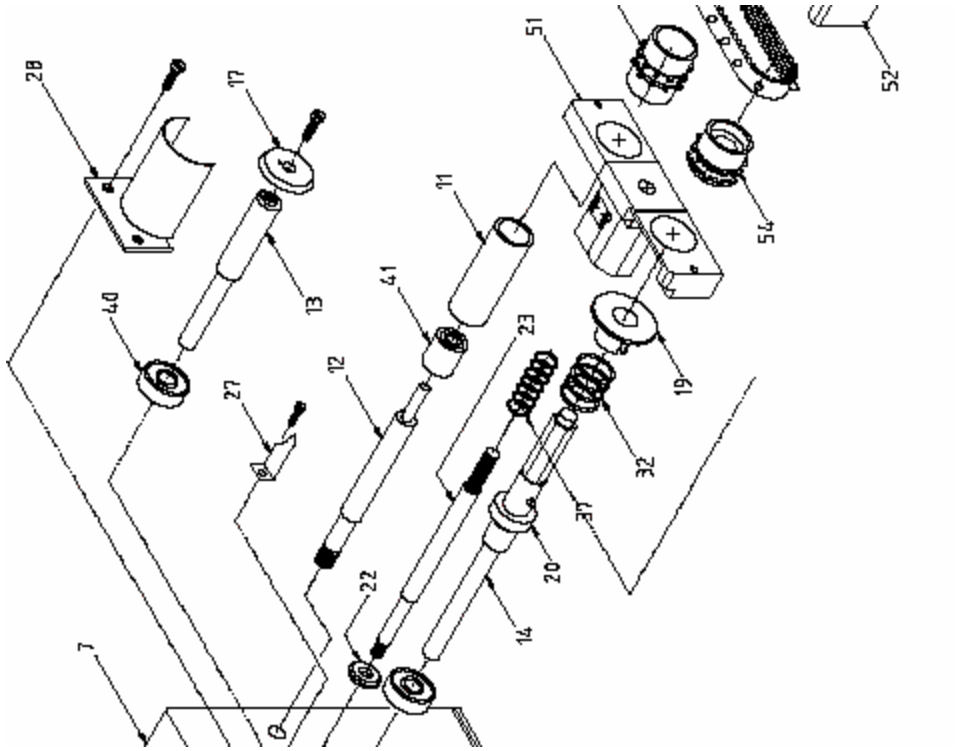


Abb. 7
Cutting wheel



Faults and their rectification

Caution: **All maintenance and repair work may only be performed by qualified and trained personnel!**



If used properly, the machine will function virtually without trouble. If, contrary to expectation, faults should occur, please inform your supplier first.

Your contact: **Burst & Zick GmbH, Tel. +49 721/61 17 75**

The type of fault discussed consequently can be taken down in the following table with the description of causes and measures for the correction of the faults.

Type of fault	Cause	Measures

Maintenance

1. Maintenance plan

	Interval				Task
	d	w	m	y	
Machine, general	X				Vacuum-clean or clean from wire clip-pings and other remains with a brush.
Cutting wheel		X			Check for damage. If there is a burr at the cutting site, the cutting tool maybe is blunt.
Transport belt		X			Check for damage.
Electrical check			X	X	To note local provisions as in Germany DGUV Regulation 3

d = daily
w = weekly
m = monthly
y = annualy

Caution: All maintenance and repair work may only be performed by trained specialists!

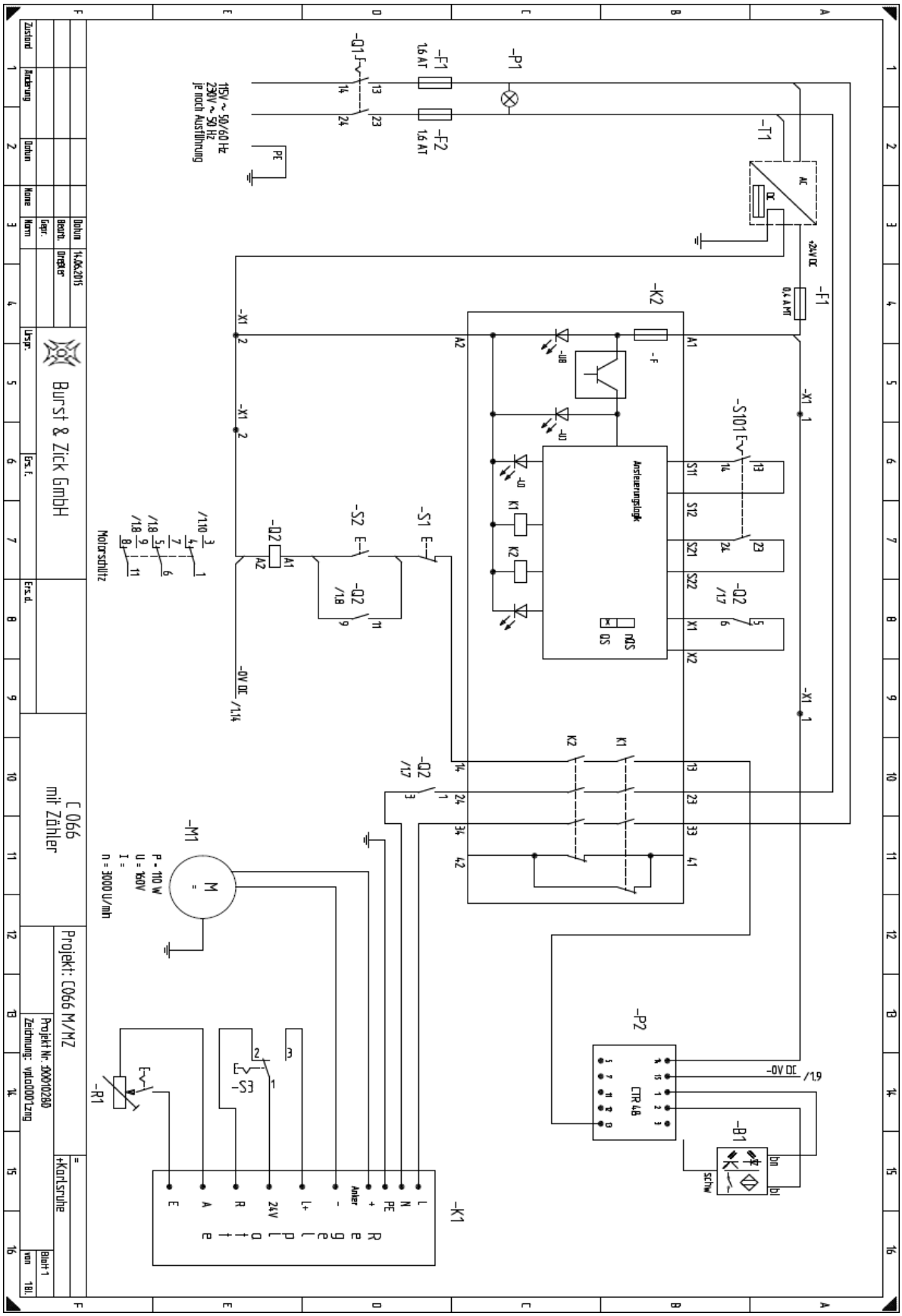
Caution: No grease may be used for lubricating moving and sliding parts. Use thin lubricants only. For example Super Fin from Interflon or similar lubricants. For example Super Fin from Interflon or similar lubricants.

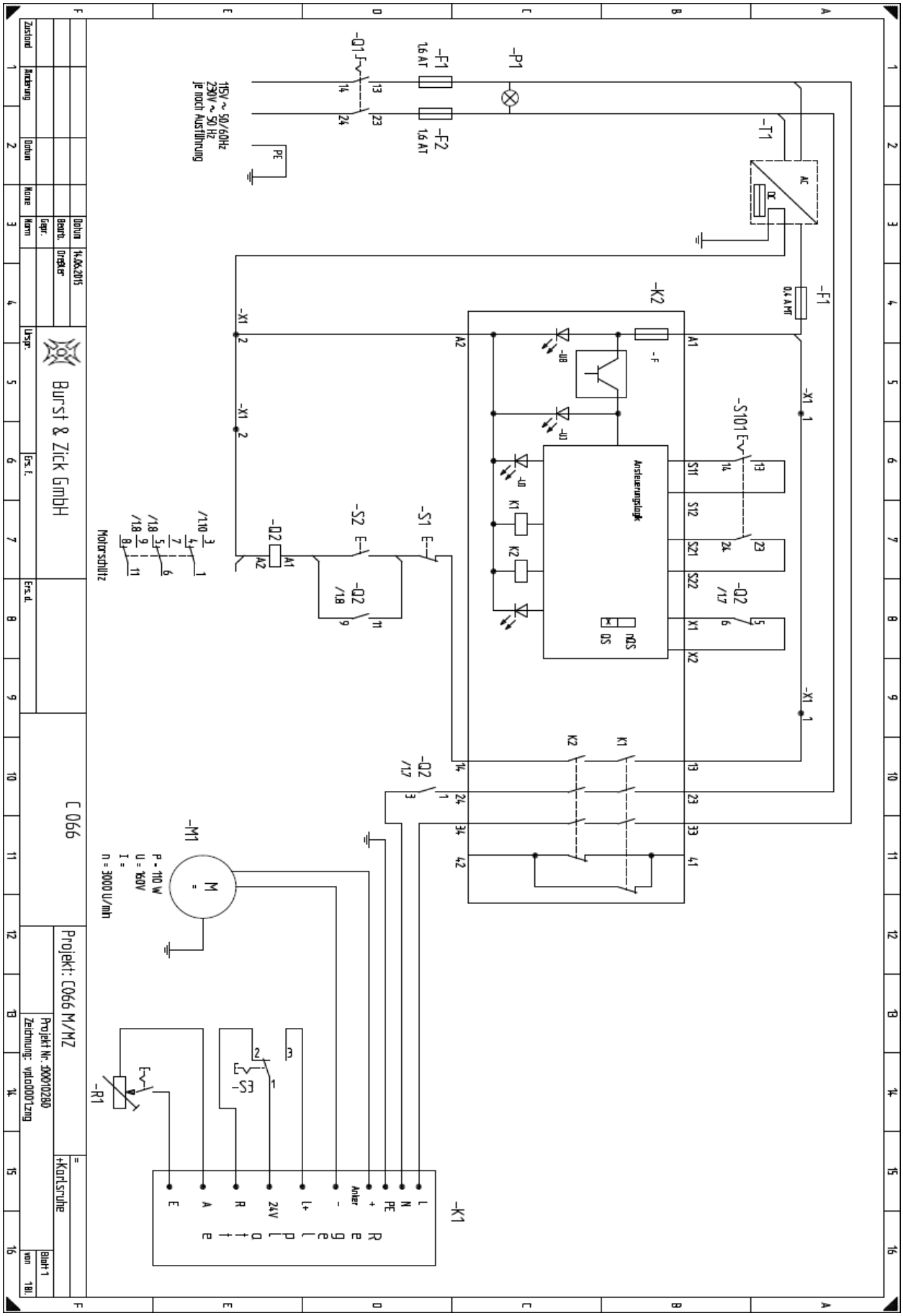




Technical documents

1. Circuit Diagram C066 M



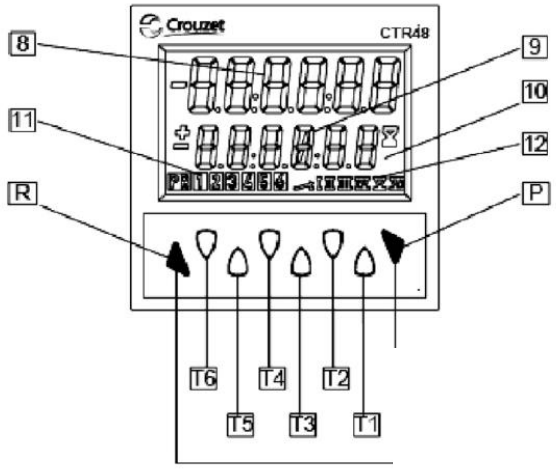

Burst & Zick GmbH
C 066
Projekt: C066 M/MZ
Projekt Nr.: 900010280
Zeichnung: vpla0001.zng
+Karlsruhe
Blatt 1
Datum 14.06.2015
Name Dahm
Gepr. Norm
Urspr.
Ers. f.
Ers. d.
Änderung
Zustand
115V ~ 50/60Hz
230V ~ 50 Hz
je nach Ausführung
-Q1
-F1
1.6 AT
-F2
1.6 AT
-P1
-T1
-F1
0.4 AMT
-K2
-X1
-S101
-S2
-S1
-Q2
/1.8
/1.10
/1.8
Motorschutz
-M1
P = 110 W
U = 160V
I =
n = 3000 U/min
-K1
-R1
-S3
Ansteuerungslogik
Antrieb
24V
L
N
PE
+
-
L+
R
A
E

2. Parts list electrical parts C066 M

Dec.	Component type	Order No.
B1	Falk light barrier	GLS 50
F1,F2	Fuse holder FEF Torsion fuse Fuse 1,6AT	0031.1085 0696.0033 419-993
F3	Fuse holder Fuse 0,4 AMT	UK 5 HESI 5x20mm
K1	Motor control plate with reversal of direction	Motorrregelplatine mit Drehrichtungsänderung 115V or 230V
K2	Safety relais	SRBE301MC
M1	Motor	PM 1 85-40 160V Getr. VE31-DB5-i=22:1
P1	Lamp holder Lamp 230V or 115V Cap	1.60502.1020214 59102315 5.52011.026
P2	Counter	CNT 2
Q1	Switch	CA10 T302/D-A004 EG
Q2	Relais Relais socket	60.13.9.0024.0070 90.03
R1	Potentiometer 470 KOhm	CIP20C-KS-IL-LIN 470K
S1	Push button red	110001151/0301
S101	Safety switch Betätiger	AZ 16-02 zvrk AZ 15/16 B1
S2	Push button green	110001001/0507
S3	Switch	0101.0401
T1	Power supply	STEP-PS/1AC/24VDC/0,5
X1	Terminal blocks	WDK 2,5

3. Counter (optional)

Extract from original instruction of the manufacturer, Crouzet



T1–6	Decade key T1…T6
P	Prog/Mode key
R	Reset key
8	Current count value/main counter
9	Preset value/Total count/Batch counter
10	Run display for Timer
11	Shows which preset value is being displayed
12	Shows which preset output is active
PR	Keys necessary for programming the parameters (highlighted in grey)

Spare parts catalogue

Table of contents

1. List of mechanical parts
2. Spare parts mechanical parts
3. Assembly drawing

1. List of mechanical parts C066 M

Pos.	Piece	Drawing.-Nr.	Description
6	1	CO66 M - T. 6	Base plate
7	1	CO66 M - T. 7	Bearing
9	1	CO66 M - T. 9	Guide rail
10	1	CO66 M - T. 10	Guide rail
11	1	CO66 M - T. 11	Bushing
12	1	CO66 M - T. 12	Axis
13	1	CO66 M - T. 13	Axis
14	1	CO66 M - T. 14	Shaft
15	1	CO66 M - T. 15	Gear
16	1	CO66 M - T. 16	Gear
17	1	CO66 M - T. 17	Cutting wheel
18	1	CO66 M - T. 18	Adjusting collar
19	1	CO66 M - T. 19	Cutting roll
20	1	CO66 M - T. 20	Adjusting collar
22	1	CO66 M - T. 22	Washer
23	1	CO66 M - T. 23	Guide rod
24	1	CO66 M - T. 24	Adjusting knob
25	1	CO66 M - T. 25	Adjusting collar
27	1	CO66 M - T. 27	Cursor
28	1	CO66 M - T. 28	Protection cover
29	1	CO66 M - T. 29	Protection cover
30	1	CO66 M - T. 30	Component tank
32	1	CO66 M - T. 32	Pressure spring
33	1	CO66 M - T. 33	Pressure spring
47	1		Transport belt
39	1	CO66 M - T. 39	Motor plate
40	4		Groove ball bearing 608-2z
41	1		Neadle bearing NKI 5/16
42	1		Motor
43	1		Motor coupling

Pos.	Piece	Drawing.-Nr.	Description
44	1		Control unit
45	1		Handhold 10501-003 154
46	4		Rubber foot Art. 1000 207
51	1	CO66 H - T. 51	Housing back
52	1	CO66 H - T. 52	Housing front
53	1	CO66 H - T. 53	Cover
54	1	CO66 H - T. 54	Drive gear
55	1	CO66 H - T. 55	Transport wheel
56	1	CO66 H - T. 56	Belt guide below

2. Spare parts mechanical parts C066 M

Pos.	Piece	Drawing.-Nr.	Description
17	1	CO66 M - T. 17	Cutting wheel
19	1	CO66 M - T. 19	Cutting roll
32	1	CO66 M - T. 32	Pressure spring
33	1	CO66 M - T. 33	Pressure spring
35	1		Transport belt

3. Assembly drawing

