

## 64, 90 and 120 mm



## SPECIAL FEATURES

- Full cut
- Increased cutting capacity
- Variable cutting width
- Compact design
- Easy to install
- Low-cost cutter

## MECHANICAL CONSTRUCTION

- Paper channel width 63, 90 and 118 mm
- Permissible paper weight up to 170 g/m<sup>2</sup>
- Operating voltage 12 or 24 VDC
- Integrated motor drive
- Full cut

## FUNCTIONAL DESCRIPTION

Plastics casing with paper channel widths up to 63 mm  
Metal casing for paper channel width of 90 mm and 118 mm

This cutter works with two flat knives. Cutting is monitored by an internal microswitch. By an external resistance, the motor can be slowed down to idle state. Customers are requested to make the corresponding switchings.

The cutter works with **full cut**.  
The permissible paper weight of 170 g/m<sup>2</sup> is very high.

Connection by a 5-core flat ribbon cable with JST plug.

The unit is driven by an interference-suppressed DC motor. All units are equipped with a manual emergency control.

## STANDARD VERSIONS

Operating voltage in VDC	Paper channel width in mm	Permissible paper weight in g/m <sup>2</sup>	Type of cut	Item No.
12	63	170	full cut	0 685 720
24	63	170	full cut	0 685 721
12	90	170	full cut	0 685 722
24	90	170	full cut	0 685 723
12	118	170	full cut	0 685 724
24	118	170	full cut	0 685 725

## TECHNICAL DATA

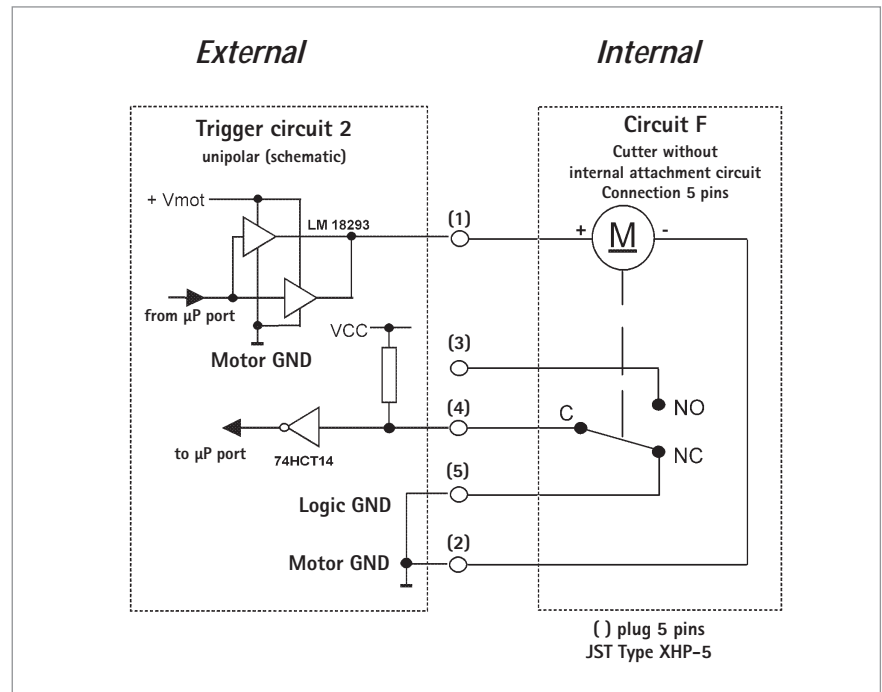
Paper channel width	63 / 90 / 118 mm	
Permissible paper weight	170 g/m <sup>2</sup>	
Operating voltage	12 V DC ± 10 %	24 V DC ± 10 %
Power consumption at start up	2,4 A	1,2 A
Power consumption in operation	1,0 A	0,5 A
Cutting start	customer-specific floating SPDT contact	
Type of cut	full cut	
Pulse length	100 - 150 ms	
Cutting cycle	≤ 350 ms	
Operating temperature	- 10 °C to + 60 °C	
Storage temperature	- 40 °C to + 60 °C	
Service life full cut	1.000.000 cuts with paper weight 120 g/m <sup>2</sup> 500.000 cuts with paper weight 170 g/m <sup>2</sup>	

## 64, 90 and 120 mm

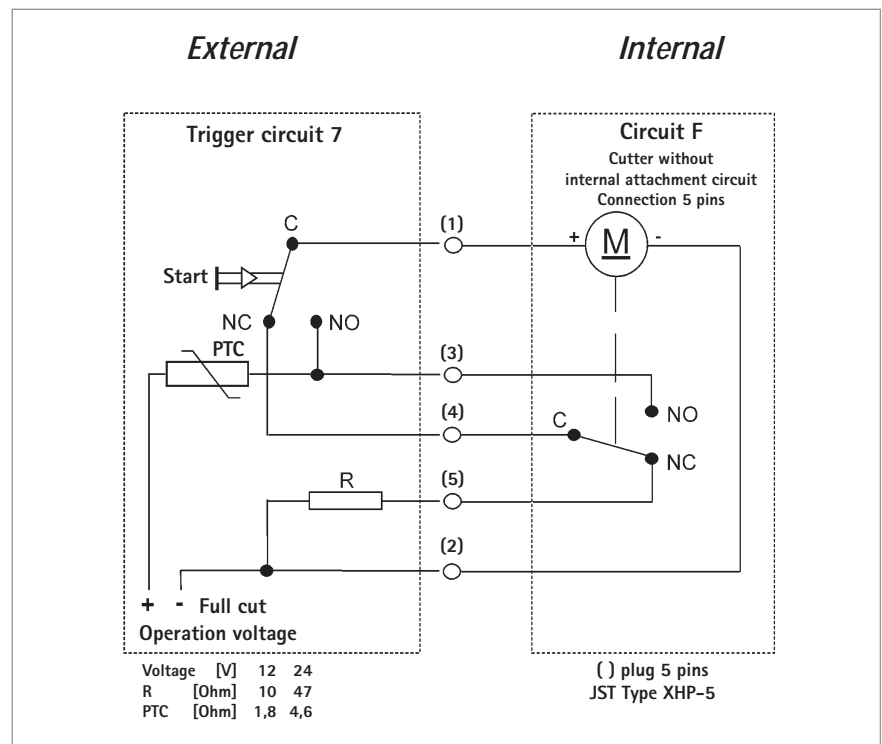
### TECHNICAL DATA (continued)

Weight	for paper channel width 63 mm	160 g
	for paper channel width 90 mm	320 g
	for paper channel width 118 mm	360 g
Dimensions (W x D x H) in mm	for paper channel width 63 mm	67 x 21 x 85
	for paper channel width 90 mm	69,5 x 24 x 112
	for paper channel width 118 mm	69,5 x 24 x 140

### SUGGESTED CONNECTION DIAGRAM 1



### SUGGESTED CONNECTION DIAGRAM 2

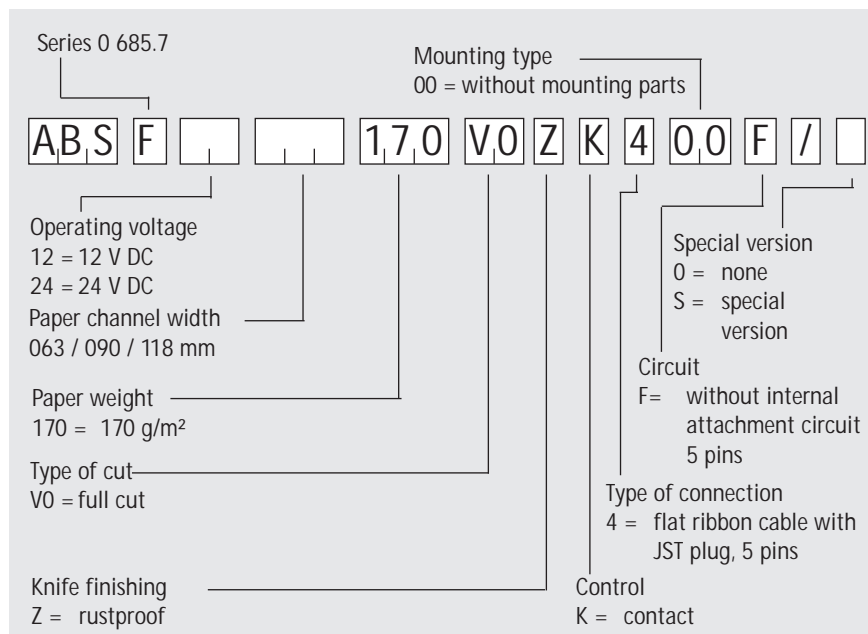


# Cutter F

Series 685.72

64, 90 and 120 mm

## TYPE CODE



## EXAMPLE FOR ORDER INFORMATION

Designation	Item No.
ABS F 12 063 170 V0 ZK 400F/0	0 685 720

## DIMENSIONED DRAWINGS

Dimensioned drawing	Filename
Cutter F 63 mm	1 685 952.pdf
Cutter F 90 mm	1 685 953.pdf
Cutter F 118 mm	1 685 954.pdf

## MANUALS

Designation	Filename
Installation manual, German	2 685 540.pdf
Installation manual, English	2 685 551.pdf
Installation manual, French	2 685 552.pdf

Please find the up to date dimensioned drawings/documents as PDF-files on our homepage <http://www.hengstler.com> or request them by e-mail, fax or post from us.  
All technical data is subject to alterations.