

64, 90 and 120 mm



SPECIAL FEATURES

- Full and partial cut
- 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 120 g/m²
- Operating voltage 12 or 24 VDC
- Integrated motor drive
- Full and partial cut

FUNCTIONAL DESCRIPTION

Plastics casing with paper channel width 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 type of cut can be changed from **full to partial cut** (in any order) by pole reversal of the motor voltage. In partial cutting mode, a link of about 2 mm in width remains in the paper's center.

Cutting is triggered by an external SPDT contact.

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 ²	Type of cut	Item No.
12	63	120	full + partial cut	0 685 700
24	63	120	full + partial cut	0 685 701
12	90	120	full + partial cut	0 685 702
24	90	120	full + partial cut	0 685 703
12	118	120	full + partial cut	0 685 704
24	118	120	full + partial cut	0 685 705

TECHNICAL DATA

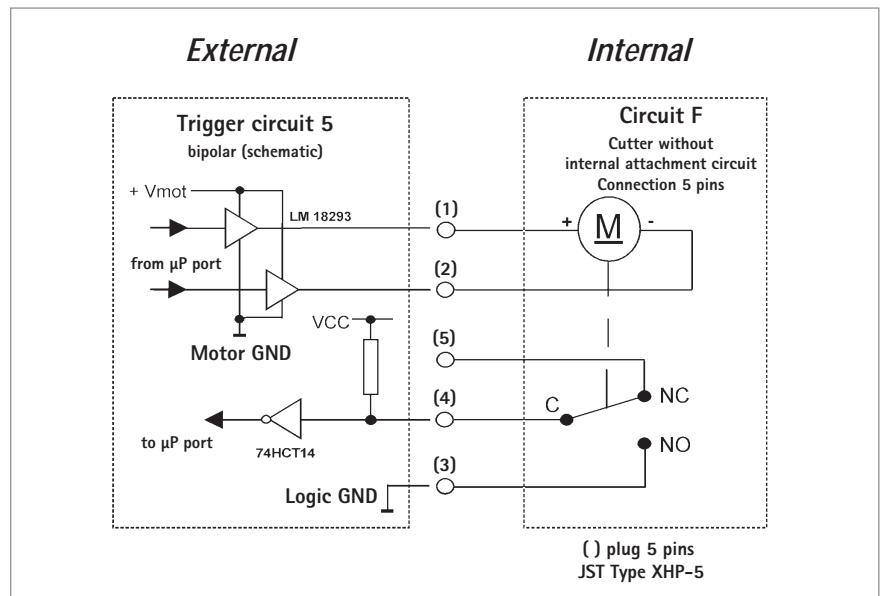
Paper channel width	63 / 90 / 118 mm		
Permissible paper weight	120 g/m ²		
Operating voltage	12 V DC ± 10 %	24 V DC ± 10 %	
Power consumption at start up	2,4 A	1,2 A	
Power consumption in operation	1,0 A	0,5 A	
Cutting start	customer-specific floating SPDT contact		
Type of cut	full and partial cut	central	
	by pole reversal of operating voltage		
Pulse length	100 - 150 ms		

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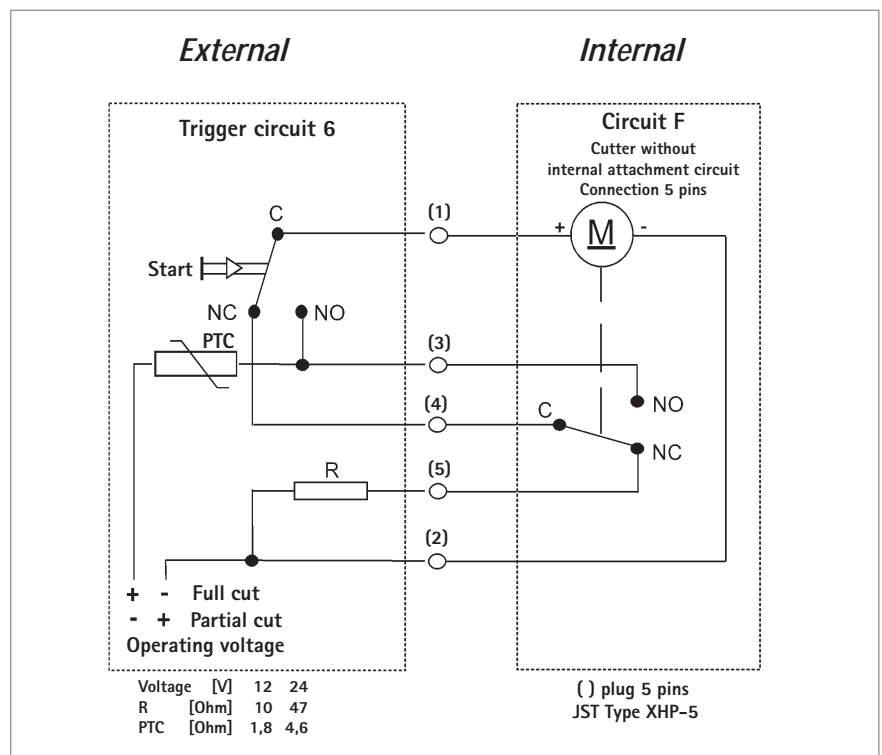
TECHNICAL DATA (continued)

Cutting cycle	<= 350 ms	
Operating temperature	- 10 °C to + 60 °C	
Storage temperature	- 40 °C to + 60 °C	
Service life		
full and partial cut	for paper weight of 120 g/m ² 1 Mio cuts	
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

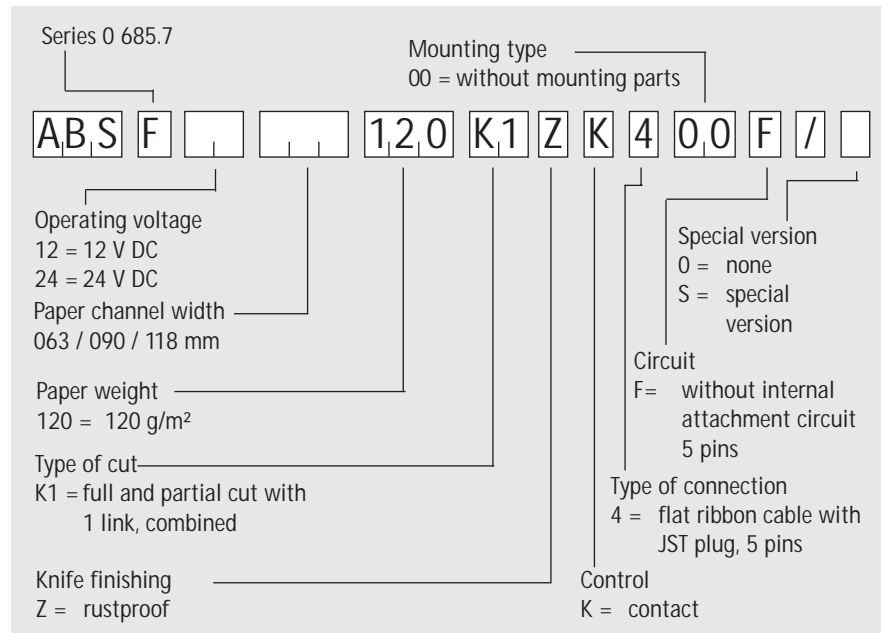


Cutter F

Series 685.70

64, 90 and 120 mm

TYPE CODE



EXAMPLE FOR ORDER INFORMATION

Designation	Item No.
ABS F 12 063 120 K1 ZK 400F/0	0 685 700

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.