FIL CONTROL

CA9-CL/D
Yarn cutter range

Application

The **CA9-C** series are **yarn cutters** devoted to **textile machines**. They can cut **up to 1 100 dtex yarns**.

FUNCTIONS: When operating on yarn machines, the breaking of one (or more) yarn has to be detected immediately and automatically. Yarn sensors play this part. To **avoid a "wild" rewinding** which could be cause of perturbations on neighbouring sites, even of breaking of the machine, it is recommended to mount **CA9-C** onto the machines. First they cut off the broken yarns, **second they grip them**.

On winding machines, the yarn has to be **cut when the bobbin is full**. **CA9-C** series have to be manually reloaded.

PRINCIPLE: The yarn passes through the groove of the yarn cutter and is led by two guides. When occurring, a hammer (knife) striking against an anvil cuts the yarn. The electromagnet, activated by the yarn sensor, attracts the framework and releases the blade. Striking strength is supplied by a compressed spring triggered by the electromagnet. A pincer holds the yarn.

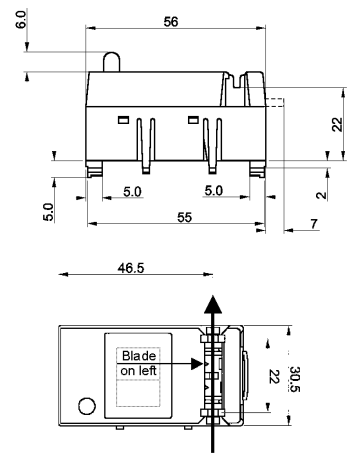
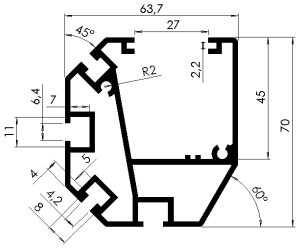
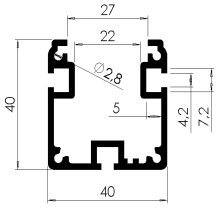
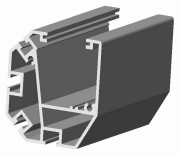
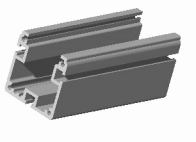
ELECTRICAL PROTECTION: The **CA9-C** series are protected against reversed polarities and is dust resistant.

Characteristics :

- Power supply : 18 to 30 V
- Cutting capacity up to 600 dtex for the CL
- Cutting capacity up to 1100 dtex for the CD
- Visual alarm (red LED)
- Can be delivered fixed on std W10-423800 or W10-423807 rails
- Clipsable so can be fastened or unfastened without any tool.

These characteristics are adapted to operator's requirements.
(Referenced to the codification board)

Dimensions (mm)

CA9-C (with or without LED)	CA9-C can be adapted on following aluminium rails	
		
	 **W10-423800**	 **W10-423807**
Aspect: Weight:: Maxi Std length:	Colourless anodization 2,5 kg / m 4 meters	Colourless anodization 1,6 kg / m 2 meters

Yarn guides for CA9-C series		
		
CA9-TD011 (Aluminium oxide) CA9-TD016 (Titanium oxide)	CA9-TD003 (Aluminium oxide) CA9-TD013 (Zirconium aluminium)	CA9-TD014 (Zirconium aluminium) CA9-TD015 (Aluminium oxide)

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Characteristic codification

CA9-C	X	X	X	X
Cutting level				
Maximum count : 600 dtex	L			
Maximum count : 1100dtex	D			
Cutting direction				
Blade on left		1		
Blade on right		2		
Pilot light				
Without LED			0	
With LED			2	
Guides				
Without guide				0
CA9-TD011				1
CA9-TD003				2
CA9-TD013				3
CA9-TD014				4
CA9-TD015				5
CA9-TD016				6

Example

CA9-CD221 :

- D : maximum count : 1100dtex
- 2 : blade on right
- 2 : with LED
- 1 : with guide CA9-TD011

Electrical characteristics

Parameters	Without LED			With LED		
	Min	Typ	Max	Min	Typ	Max
Power supply (V)	18		30	18		30
Consumption (mA)						
In rush		700			700	
Sealed		23			20	
Consumption (W)						
In rush		17			17	
Sealed		0,5			0,5	
Minimum supply current to cut (mA)	500			500		
Time between 2 successive operations (ms)		500			500	
Closing time of trigger (ms)		6			6	
Cutting time (ms)			1			1
Mechanical life (cuts)	10 000					

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