



CEMBRE

BA600CA CRIMPING IS NOW
EVEN EASIER AND MORE EFFICIENT



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BA600CA



The new BA600CA is the ideal tool for crimping connectors up to 600MCM (300 mm²).

Equipped with the **ADAPTIVE CONTROL** function, it guarantees optimization of the crimping cycle, automatically interrupting the cycle when the two dies come into contact with each other.

This innovative approach eliminates the need to reach maximum pressure at each cycle, as is the case with traditional tools, reducing tool wear and ensuring the same quality standards as maximum pressure crimping.

The advantages?

- **Less mechanical stress on the tool and longer component life**
- **Energy savings and longer battery life**
- Analysis of the reduction in energy consumption compared to the standard cycle, indicating the percentage saved (**SAVED ...%**).
- **HOLD function**, thanks to which the tool stops automatically when the dies come into contact with the connector, without deforming it.

A smart solution for precise, efficient and long-lasting operations.



BA600CA / HIGHLIGHTS



Adaptive Control (AC)



HOLD function



Electronic Pressure Sensor (EPS)



SMARTOOL Technology



Multifunction OLED display with capacitive touch button



STEEL body and driving mechanism



+30,000 adaptive cycles* for maintenance (*equivalent to 100,000 cycles performed on a medium-section connector)



Dual-speed feed system



BA600CA / SMART CRIMPING

Adaptive control



Adaptive control allows the crimping cycle to be completed when the two dies come into contact with each other, an essential condition for correct crimping.

Operational data acquisition technology



SMARTOOL technology records the operating data, work cycles and errors/malfunctions in the internal memory, all of which can be downloaded to a PC.

Always reliable and precise



The EPS electronic control system ensures precision and repeatability of the crimping cycles as it relies on a sensor dedicated to controlling and commanding the end-of-cycle function.



Display of parameters



Using the OLED display, the operator can view different parameters, including:

- Pressure developed
- Battery charge
- General operating information
- Number of work cycles
- Number of cycles before maintenance



HOLD function



This function holds the connector between the dies without compressing it, facilitating the insertion of the conductor into the connector and verification of correct positioning before crimping.



Adaptive service



The service interval of 30,000 cycles refers to standard tool operation. With the adaptive function enabled, this value is recalculated based on the pressure reached, expressing only the fraction of use actually employed, and bringing the service interval to 100,000 cycles when used on medium-section connectors.



BA600CA / SAFE AND PRACTICAL



Comfort and convenience for the operator

The design, reduced weight and mass balance make it easy to use.

Stop accidental activation

The mechanically protected start button and double-clicking requirement on start-up ensure operator safety.

Pressure release

Manual pressure release can be operated at any stage of compression.

Robust and durable

The stainless steel body guarantees greater durability and reliability of the tool over time.



Two-component shell

The two-component plastic shell ensures mechanical protection in all conditions of use.

Double hydraulic speed

The patented dual-speed pumping system ensures reduced cycle times, energy savings, speed, and working autonomy.

Double safety for the user

The tool is equipped with a maximum pressure valve as an additional safety feature in addition to the internal pressure transducer (EPS).

No overheating

The air flows inside the tool have been optimized to ensure proper cooling of the components, allowing the tool to operate even under particularly heavy workloads.

BA600CA / THE CONNECTORS

COPPER

DR-N



COMPRESSION CABLE LUGS ACCORDING TO DIN 46235

HR-N



COMPRESSION CABLE LUGS

A-M



COMPRESSION CABLE LUGS

T-M



COMPRESSION CABLE LUGS ACCORDING TO NF C 20-130

COPPER

1020
1021
1030
1040
1051
1052

COMPRESSION JOINTS AND CONNECTORS ACCORDING TO DIN 46230 - 46234 - 46341



1030
1031



PRE-INSULATED CONNECTORS IN P A6.6

PK



PRE-INSULATED END SLEEVES IN PA6

ALUMINIUM

AAD
DSVA
CAAD-M
MTA-C

ALUMINUM CABLE LUGS AND JOINTS ACCORDING TO DIN46329 and DIN46267/2 AND BI-METALLIC CABLE LUGS ACCORDING TO DIN46329



BA600CA / THE DIES



	Connector Type	Cond. section mm ² (AWG)	Die Type	Impression Type	
COPPER	DR-N; DSV		6 - 300 (10 - 600MCM)	MK...-60C	
	HR-N; HSV		6 - 300 (10 - 600MCM)	MH...-60C	
	A-M; L-M		4 - 300 (12 - 600MCM)	ME...-60C	
	T-M; L-T		4 - 300 (12 - 600MCM)	MS...-60C	
	Q		6 - 120 (10 - 4/0 AWG)	MQ...-60C	
	1020; 1021; 1030; 1040; 1051; 1052		10 - 120 (8 - 4/0 AWG)	MQ...-60C	
	1030; 1031		10 - 50 (8 - 1/0 AWG)	MQIS...-60C	
	PK; KE		0.3 - 120 (22 - 4/0 AWG)	MTT...-60C	
ALUMINIUM	AAD; DSVA; CAAD-M; MTA-C		10 - 300 (8 - 600 MCM)	MK...B-60C	
	PRE-ROUNDING		25 - 240 (4 - 500 MCM)	UP...-60C	

Included in the package:

- Cordless base tool, shoulder strap
- Spare battery
- Battery charger
- USB cable
- Modular hard plastic case suitable for storing the tool and its accessories





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