

Technical Data BurnerControl BC300

Function	
Power supply	230 V +10/-15 % 47-63 Hz 115 V +10/-15 % 47-63 Hz (on request)
Maximum pre-fuse	10 A slow-blow To be used in a grounded power line network only!
Power consumption	max. 30 VA
Ionisation current switching threshold	1 μ A
Digital inputs	Max. cable length 70 m 230 ft
Digital outputs	2 fuel valves max. 1 A cos φ 0.4 Relay for single electrode operation max. 1 A cos φ 0.4 Combustion air valve max. 2 A cos φ 0.4 Operating mode indication max. 2 A cos φ 0.4 Spark igniter max. 2 A cos φ 0.2 Alarm output max. 1 A cos φ 0.3
Number of programming operations	unlimited (EEPROM)
Fieldbus coupling (optional)	PROFINET
Housing	Polycarbonate + ABS
Dimensions (H x W x D)	200 x 115 x 61 mm 7.87" x 4.53" x 2.40" in
Weight	1.0 kg 2.2 lb
Flammability	UL-94 V0

Environmental conditions

Operation	Climatic condition	Class 3K5 according to DIN EN 60721-3	
	Mechanical condition	Class 3M5 according to DIN EN 60721-3	
	Temperature range	-20 ... +60 °C -4 ... +140 °F (condensation prohibited)	
Transport	Climatic condition	Class 2K3 according to DIN EN 60721-3	
	Mechanical condition	Class 2M2 according to DIN EN 60721-3	
	Temperature range	-20 ... +70 °C -4 ... +158 °F (condensation prohibited)	
Storage	Climatic condition	Class 1K3 according to DIN EN 60721-3	
	Mechanical condition	Class 1M2 according to DIN EN 60721-3	
	Temperature range	-20 ... +70 °C -4 ... +158 °F (condensation prohibited)	
Degree of protection	DIN EN 60529	BC300	IP00 (housing)
			IP20 (terminals covered)
		UI300-BC-V2 front	IP40 (clamped)
			IP54 (adhered)
			IP 65 (with additional cover)

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EU Declaration of Conformity

2014/35/EU	Low Voltage Directive
2014/30/EU	EMC Directive
(EU) 2016/426	Gas Appliance Regulation (GAR)
2011/65/EU	RoHS

NOTICE

The limits of the technical data must be strictly adhered to.

Order Information

Description/Type	Order-no.
BurnerControl BC300, 230 VAC, burner sequencer for furnace applications	667R1420-1
Accessories	Order-no.
Software: PC Remote Software for BT300, BC300, LT3, LT3-F incl. LSB service adapter, USB/CAN module and connecting cable	667R0300-1
Connector set: complete connector set for BT300/BC300, screw connection, connectable cable cross-section max. 2,5 mm ² 13 AWG	667R0900-1
Fieldbus module: EBM112, PROFINET 2 Ports	667R0740-1

Approvals



The information in this publication is subject to technical changes.



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