

THE NEW BELUK CX-PLUS



New Generation of the popular BLR-CX Controller

- Internal Modbus communication (optional)
- 6 or 12 relay outputs plus fan control relay, alarm relay and digital input; alternatively, the fan relay can be used as 7th or 13th step
- Completely revamped hardware with stronger processor, more memory, higher speed, etc.
- Measurement of THDU and THDI with alarm (1st to 19th)
- Precise automatic initialisation
- Alarm memory of the last 10 alarms
- Internal temperature sensor
- Improved step recognition

Technical specifications BELUK CX plus

Voltage	90–550 V, 1 ph., 50/60 Hz, 6 VA
Current	15 mA–6A, 1 ph., < 1 VA,
Switching outputs	Relay, NO contact, common root: max. 10 A 250 V AC / 5 A, 400 V AC / 1 A
Digital input	90–250 V
Temperature measurement	Internal
Signal contact	pot.-free relay, normally closed contact, 48 V DC / 1 A, 250 V AC / 5 A, 400 V AC / 1 A, Optional NO/NC
Fan control	pot.-free relay, 48 V DC / 1 A, 250 V AC / 5 A, 400 V AC / 1 A
Interface	Optional: RS485 Modbus
Ambient temperature	Operation: -20 °C to 70 °C, Storage: -40 °C to 85 °C
Humidity	0% – 95%, condensing not allowed
Overvoltage category	300 V LN / 519 V LL CAT III or 550 V / CAT II
Connection	Screw terminals, pluggable
Housing	Front: Instrument housing, plastic, Back: Metal
Protection type	Front: IP41, Back: IP20
Weight	approx.. 0.6 kg
Dimensions	Housing: 144 x 144 x 58 mm (W x H x D), Section: 138 (+0.5) x 138 (+0.5) mm
Alarm log	Storage of the last 10 alarms
Standards	IEC 61010-1, IEC 61000 6-2, IEC 61000 6-4: level B, IEC 61326-1, UL 61010
Conformity	CE, NRTL(UL), c NRTL (cUL), EAC
Algorithms	AUTOMATIC (best fit), LIFO, FIFO, PROGRESSIVE, Combined filter
Max. operating height	≤ 2000 m
Max. contamination level	2