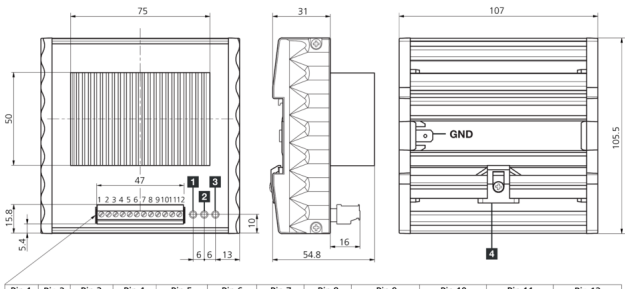
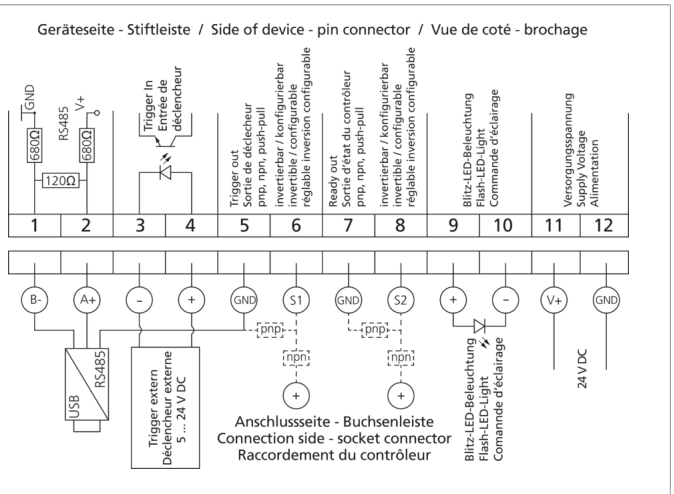
207116
BC-100-20A
Flash controller for flashable lighting

- Controlled flash mode for LED lights
- Simple and fast setup with RS485/USB/PC
- Trigger input for external control
- Adjustable trigger delay
- Max. pulse current 20 A
- Pulse times can be adjusted between 10 µs and 50 ms
- Strobe function up to 10 kHz
- Constant current of up to 1.8 A
- Standby output
- Trigger output for camera systems and peripheral devices



Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12
RS485 B-	RS485 A+	Trigger in -	Trigger in +	Trigger out GND	Trigger out S1	Ready out GND	Ready out S2	Flash LED light +	Flash LED light -	Supply Voltage V+	Supply Voltage GND



1) LED ERROR
2) LED FLASH
3) LED OPERATION
4) Fixing element for mounting rail

Function

Technical data (typ.)	+20°C, 24 V DC
Electrical features	
Service voltage	24 V DC (± 1V)
Inverse polarity protection	In pairs by terminal group
Short-circuit protection	In pairs by terminal group
Average / peak power consumption	< 2.5 A / 6.0 A
LED constant current (configurable)	0.1 … 1.8 A
LED pulse current (configurable)	0.1 … 20.0 A
Input power	< 55 W (24 V DC)
Mechanical features	
Housing material	Aluminum (Anodized) / Plastic (PA, 6.6 FR)
Certifications, approvals	
Protection class	III, operation on protective low voltage
General features	
Component	Flash controller for flashable lighting
Functional scope	
Number of channels	1

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Technical data (typ.)	+20°C, 24 V DC
Output, input, interface	
Trigger input	5 … 24 V DC (Potential-free, optical coupler)
Interface	RS485
Trigger output	push-pull, pnp (12 V DC), npn (30 V DC), configurable, <150 mA
Display, operation	
Display	LED green - Operation, yellow - Flash, Red - Interference
Time behavior	
Pulse duration (configurable)	0.01 … 50 ms
Pulse cycle time (configurable)	100 µs … 60 s
Pulse delay (configurable)	> 50 µs (0 … 2 A) / > 5 µs (2 … 20 A)
Ambient conditions	
Shock/vibration load	30 g, 11 ms / 10 … 55 Hz, 1.0 mm
Ambient temperature during operation	0 … +40 °C
Protection type	IP 40
Electrical connection	
Connection	Terminal strip, 12-pin

More information / accessories	https://www.di-soric.com/207116

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