Electronic Flasher

Electronic flasher is compact and modular device, which has the preset flashing frequency and duty cycle. It has solid-state output relays (up to 4 x 10A, 60 V DC), two for outputs in-phases and two for outputs in-contra-phases. Both types of the outputs are, through independent optocouplers, available for software monitoring of the flashing frequency and duty cycle.
Typical application: Flasher for fail-safe, two out of two, signaling systems.

Figure 1. Electronic Flasher

Main Technical Characteristics:

- Temperature range: -40°C to +85°C;
- Preset frequency on request.
  Typical preset frequency: 1 Hz.
- Preset duty cycle on request.
  Typical duty cycle: 50% / 50%.
- Frequency accuracy: 0.5 %.
- Duty cycle accuracy: 0.5 %.
- Up to for solid-state relay outputs,
  rate 10A / 60 V DC each;
- Two optocoupler outputs, for monitoring
  of the flashing frequency and duty cycle
  (in-phases and inverted in-contra-phases);
- Power supply: 24V DC;
- Power consumption: 50 mW;
- Size of the box:
  W=70mm; H=86mm; D=57mm;
- Size of one solid state relay:
  W=12.5mm; H=85mm; D=58mm;
- Protection: IP 20.
- Placement: DIN rail (EN50022);
- Connector box: 4 x 6 pin, 2.5 mm.
- Delivery time: 30 days;
- Warranty: 2 years;
- References: level crossing protection systems ELC (Signalling & Control) and LCLC DL2000 (Siemens);
- Price: on request.