
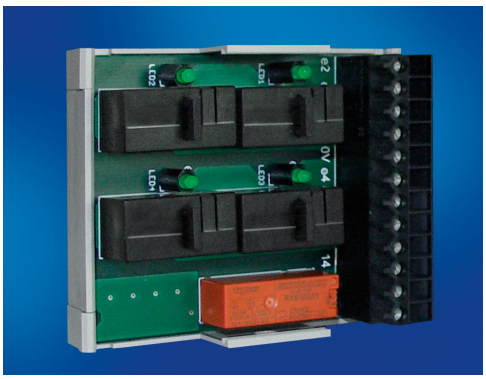

# Load monitoring with resettable trip

## Load monitoring for DC 24 V circuits and integrated batch error messages

## DC 4 A and DC 8 A circuits

In contrast to fuses, the new SIPE series load monitors offer speed, simplicity and reliability. The connected electric circuits can, of course, be switched on again after tripping. That means no more expensive down times, service costs and the risk of using the wrong fuses.
The thermal protective switches used interrupt the electric circuit galvanically. This ensures that the device to be protected is no longer live. That's a real advantage when it comes to safety.

The trip point depends on the amount of overload current. The higher this is, the sooner the bimetallic element reaches its defined trip temperature. If the overload is lower, it takes longer for the desired potential isolation to be reached. The thermal protective switches are recommended wherever overloads can be expected.

Protective switches with thermal tripping are ideal for protecting electronic consumers as well as motors, transformers, solenoid valves, on-board supply systems and low-voltage lines.

**The benefits for you:**

- **Compact size**
- **4 channels**
- **Potential-free batch error message output**
- **Screw or spring terminal**
- **Status indication per channel**

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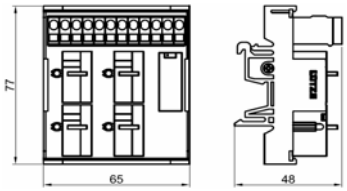
LÜTZE
Technik mit System

# Interface technology ● Varioprint fuse components

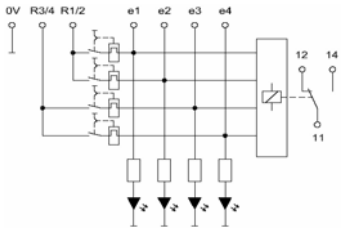
## DC load monitoring with thermal fuse, resettable
## 4 monitoring circuits 4 A and 8 A, batch error message
## Screw / Spring terminal

| Description | Article number | Varioprint type | PU |
|---|---|---|---|
| Load monitoring 4 x 4 A | | | |
| Screw terminal | **710821** | SIPE 4-0821 DC 24V 4x4A | 2 |
| Spring terminal | **710822** | SIPE 4-0822 DC 24V 4x4A | 2 |
| Load monitoring 4 x 8 A | | | |
| Screw terminal | **710823** | SIPE 4-0823 DC 24V 4x8A | 2 |
| Spring terminal | **710824** | SIPE 4-0824 DC 24V 4x8A | 2 |



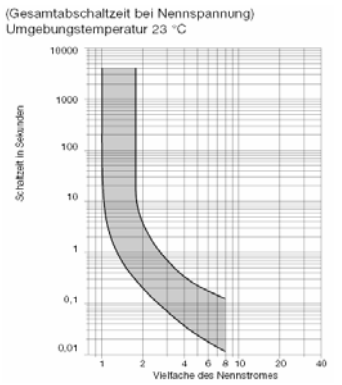

| Fuse circuit | 4 x 4 A | 4 x 8 A |
|---|---|---|
| Input voltage range | DC 16.8 V - 30 V | |
| Rated current | 4 x DC 4 A (max. 10 x IN) | 4 x DC 8 A (max. 10 x IN) |
| Fusing | Circuit-breaker with thermal tripping characteristic | |
| Internal resistance | < 0.1 Ω | |
| Status indication | 4 x green LED | |
| Rated insulation voltage | 50 V (EN 50178) | |

### Connexion diagram:




| Signal circuit | |
|---|---|
| Switching output | Relay |
| Contact | 1 changeover contact |
| Min. switching voltage | AC/DC 17 V |
| Max. switching voltage | AC/DC 250 V |
| Min. switching current | AC/DC 0.10 mA |
| Max. switching current | AC/DC 3 A |
| Switch-on delay | 8 ms |
| Switch-off delay | 8 ms |
| Max. switching capacity | 2000 VA |
| Contact material | AgNi +0.15 HV |
| Mechanical service life | 2 x $10^7$ operations |
| Rated insulation voltage | 300 V |
| Clearance/creep. dist. (control/load side) | > 2 mm |

### Switching characteristics:




| General Data | |
|---|---|
| Design | Varioprint |
| IP rating | IP 00 |
| Mount | DIN rail TS 35 (EN 5022) |
| Insulation voltage input/output | - |
| Safe isolation | - |
| Operating temperature range | -20 °C to +60 °C |
| Storage temperature range | -25 °C to +80 °C |
| Dimensions (W x H x D) | 65 x 77 x 48 mm |
| Weight | 0.098 kg |
| Approvals | - |
| Connection type | Screw terminal: 0.25 - 2.5 $mm^2$ / spring clamp terminal: 0.25 - 2.5 $mm^2$ |

| Accessories | Article number | Type | PU |
|---|---|---|---|

Remarks:

Hard gold-plated contacts

To avoid damaging the gold-plated surface, the indicated values should not be exceeded. With higher switching outputs, the gold layer will evaporate.
The deposits inside the housing can lead to flashovers between solenoid and contact..