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|---|--|----------|
| Identification | Type | HYS-0831 |
| | Part-No. | 730831 |
| Input | | |
| Input voltage range | 16.8 V – 30.0 V | |
| Rated current | 12.0 mA | |
| Protection device | Reverse diode, varistor | |
| Status Indication | LED red: illuminated = error; LED green: blinking = stand by, illuminated = relay activated | |
| Load Side | | |
| Min. switching voltage | AC 5 V | |
| Max. switching voltage | AC 250 V | |
| Min. switching current | AC 5 mA | |
| Max. switching current | AC 16 A | |
| Clearance/creep. dist. (control/load side) | >5.5 mm | |
| Protection device output | Triac / Relay, N/O contact | |
| General | | |
| Housing material | PC, light grey RAL 7035 | |
| Protection class | IP 20 | |
| Field installation | rail TS 35 (EN 50022) | |
| Insulation voltage input/output | 4.0 kV _{eff} | |

20.04.2013 – Subject to technical modification

Part-No. 730831

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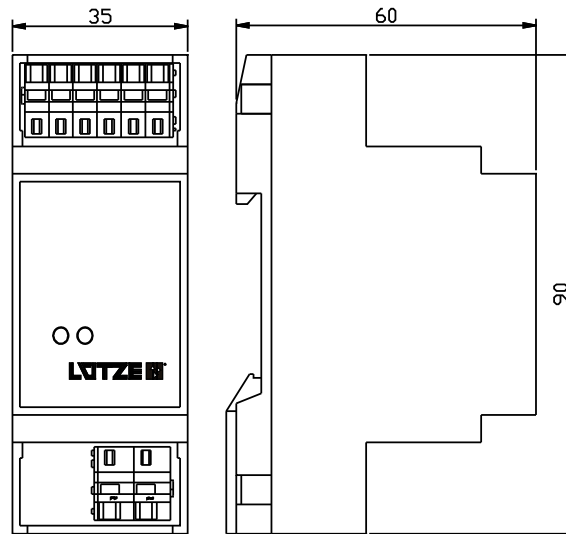
United Kingdom: LÜTZE Ltd.

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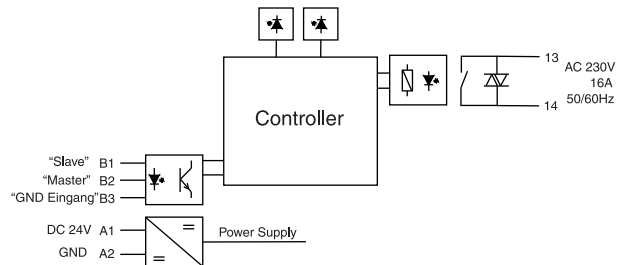
Technical data sheet - Interface Technology

| | |
|--------------------------|--|
| Safe isolation | Yes |
| Min. working temperature | -25 °C |
| Max. working temperature | 60 °C |
| Min. storage temperature | -40 °C |
| Max. storage temperature | 80 °C |
| Width | 35.0 |
| Height | 90.0 |
| Depth | 60.0 |
| Weight (kg/piece) | 0.096 |
| Termination | Spring terminal 0.08–2.5 mm ² |

Dimensions



PIN assignment



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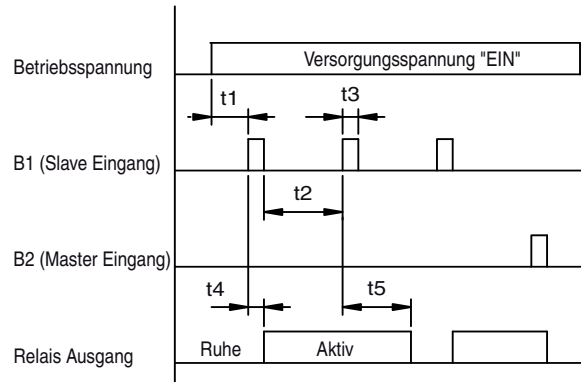
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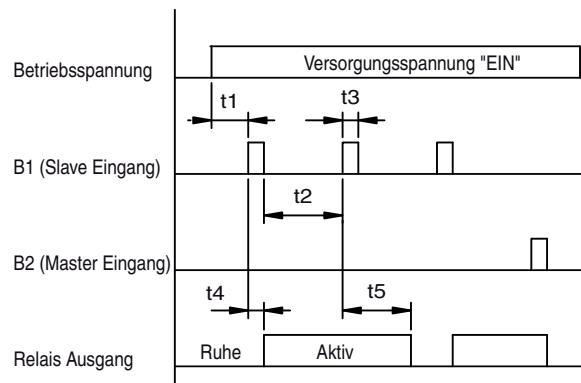
Action chart



t1: Einschalt-Wartezeit (ca. 70ms)
 t2: Entprellzeit (min. 200ms)*
 t3: Triggersignal-Länge (min. 30ms)
 t4: Einschalt-Verzögerung (ca. 30ms)
 t5: Ausschalt-Verzögerung (ca. 180ms)

* Abstand zwischen 2 Triggerimpulsen größer als Entprellzeit

Range adjustment



t1: Einschalt-Wartezeit (ca. 70ms)
 t2: Entprellzeit (min. 200ms)*
 t3: Triggersignal-Länge (min. 30ms)
 t4: Einschalt-Verzögerung (ca. 30ms)
 t5: Ausschalt-Verzögerung (ca. 180ms)

* Abstand zwischen 2 Triggerimpulsen größer als Entprellzeit

Description

The module works according to the principle of a current pulse relay. A triac takes over the switch-on current if a voltage signal is applied to terminal B1 (slave input). After a defined period of time (50 ms), the relay activates and remains in this position, whereby the triac again switches off after 50 ms. If a further signal is applied after expiration of a debounce time (min 200 ms), the relay de-energizes, after the triac has switched on. Likewise, after removal of the supply voltage (terminals A1/A2) and after operation of the master input B2, whereby this has absolute priority (Emergency OFF function).

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