



Identification	Type	HYS-0830
	Part-No.	730830
Input		
Input voltage range	16.8 V – 30.0 V	
Rated current	14.0 mA	
Protection device	Reverse diode, varistor	
Status Indication	LED green: Relay aktive; flashing: stand-by	
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}	
Safe isolation	Yes	

20.04.2013 – Subject to technical modification

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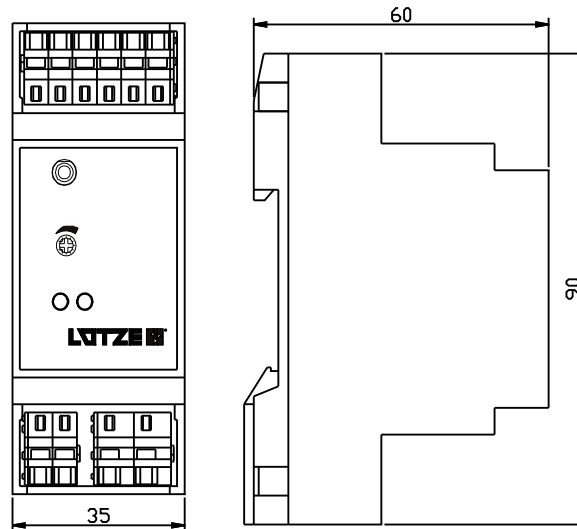
United Kingdom: LÜTZE Ltd.

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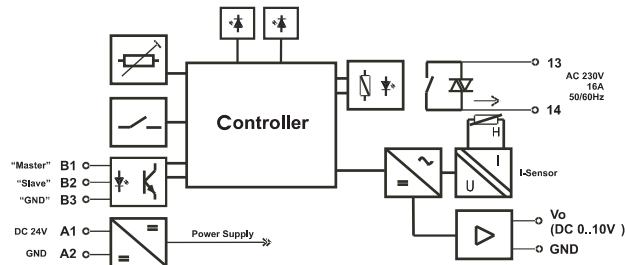
Technical data sheet - Interface Technology

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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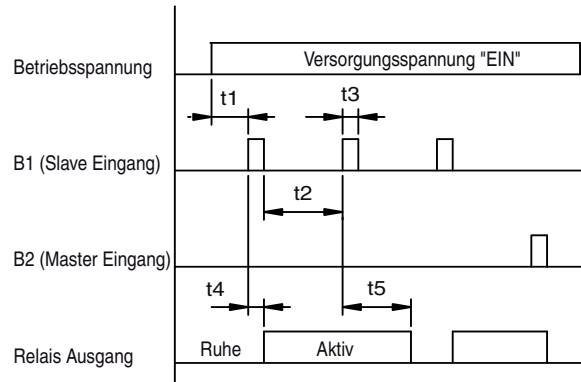
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SYSTEMATIC TECHNOLOGY

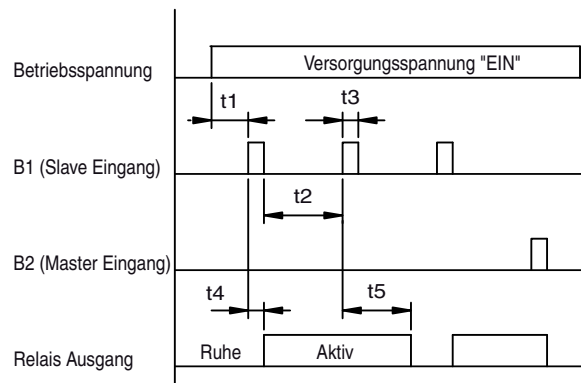
Action chart



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

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Description

The module works according to the principle of a current pulse relay or continuous current relay. The corresponding mode can be set using the selection switch. The 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 again. The continuous current mode follows the same sequence, whereby the outputs are only switched as long as a signal is applied to the terminal B1. Likewise, after removal of the supply voltage (terminals A1/A2), after operation of the master input B2, or for overload in the de-energized state, whereby input B2 has absolute priority (Emergency OFF function). The status output makes available a 0-10 V DC voltage proportional to the current, which can be evaluated by other modules.

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