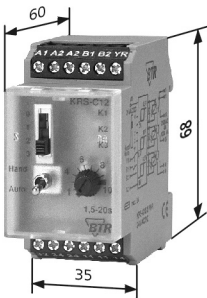


Threshold Gate

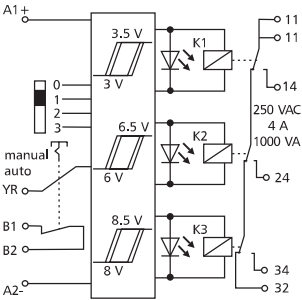
Housing Dimensions



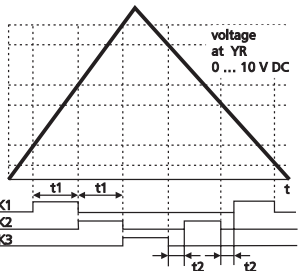
Wiring

A1	A2	A2	B1	B2	YR
A1 - A2 operating voltage					
YR - A2 input					
11 - 14					
11 - 24					
11 - 34 - 32					
output contacts					
2 NO contacts,					
1 changeover contact					
32	34	24	11	11	14

Wiring Diagram



Function Diagram



KRS-C12 3VHR

24 V AC/DC -
3 interlocked changeover contacts

- activation by one analogue signal only
- manual control facility with checkback function
- with timer relay
- LED indication

Part Number

110 434 13 threshold: 3,5 V / 6 V / 8,5 V DC
Hand/Auto with checkback function

Description

The threshold gate is designed for a three-stage motor control.
Three LEDs allow a visual check of the switching mode. In addition it is possible to change to emergency mode (HAND) by the HAND/AUTO switch.

Functional Description

Only one analogue signal is used to activate the relays by means of a voltage scale. A rotary switch allows selection of the switching time (t2) and the minimum turn-on time (t1) in a range of 1.5 and 20 s. Contacts B1 and B2 acknowledge the automatic function.

Technical Data

Input	nominal voltage Un	24 V AC/DC
	current consumption	
	at 24 V AC	60 mA
	at 24 V DC	22 mA
	power consumption	
	at 24 V AC	1.4 VA
	at 24 DC	0.6 W
	operating voltage range	0.8 ... 1.1 x UN
	duty cycle	100 %
	turn-on voltages YR	
Output	thresholds	3.5 V / 6 V / 8.5 V
	current consumption YR	
	at 10 V DC	24 µA
	tolerance	± 10 %
	recovery time	50 ms
	protective circuitry	polarity reversal protection at inputs
	relay status indication	LED yellow
	special feature	manual control facility with checkback function
	operating temperature range	-10 °C ... +50 °C
	storage temperature range	-25 °C ... +70 °C
Housing	output contact	3 changeover contacts lined up and mechanically interlocked
	contact material	AgNi
	switching voltage max.	250 V
	input/output current	8 A / 1 s
	continuous current	4 A
	contact fuses	6 A
	mechanical endurance	1x10 ⁷ switching cycles
	electrical endurance	1x10 ⁵ switching cycles
	permissible switching frequency	360 switching cycles/h
	isolation per VDE 0110	
	rated voltage	250 V
	overvoltage category	III
	pollution degree	3
	test voltage coil/contact	4000 V, 50 Hz 1 min
	test voltage contact/contact	1000 V, 50 Hz 1 min
	type of protection (EN 60529)	housing IP50, terminal blocks IP20
	wire cross section	2.5 mm ²
	mounting	any
	colour	green
	weight	95 g
	housing dimensions WxHxL	35 x 68 x 60
	modular	without spacing