RK 3121 – Relay contact

RK 3121 for immobiliser		1 input 1 output 1 switch NO	

1. General technical data		
Type designation	RK 3121	AC- coil, NO contact
Class	Class I	
Rated voltage	230 VAC 50-60 Hz	Input Voltage
Rated current	8 A	Max load

2. Contact data relay switch		
Rated voltage	Max 250 VAC 50-60 Hz	
Rated current	Max 1,0 A DC	
Contact form	1 CO	Normaly open

3. Coil data relay		
Rated voltage	230 VAC	
Operate voltage	172,5 V	
Release voltage	34,5 V	
Rated coil power	0,74 VA	
Number of cycles	$1x10^5$	

4. Insulation data		
PTI	250 V	
Impulse voltage	2500 V	
Material group	IIIa	
Pollution degree	2	

5. Chemical resistance		
Ethanol fuel	ISO 16750-5	SP Swedish National Testing and Research Institute Reference: – F106699
Gearbox oil		
Break oil		
Coolant		
Mineral and synthetic oils		
Hydraulic oil		
Diesel fuel		
Biodiesel fuel		
Anti-freeze coolants		
Salt water, mean salt level of the world´s seas		
AdBlue, urea		

6. Dimension		
Length x width x height	57 x 29 x 96 mm	
Weight	0,7 kg	

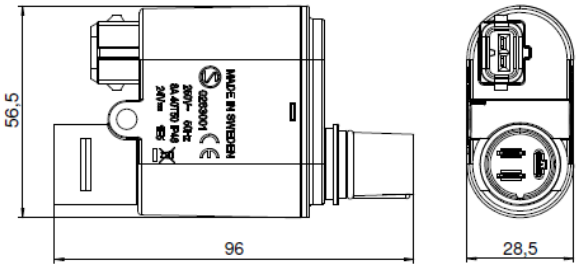
7. Temperature resistance		
Operating temperature	-40°C to +50°C	40T50

8. Degree of protection (IEC 60529)		
Degree of protection	IEC 60529:2014, IP46	Cert no. SE-S-2001380 Intertek

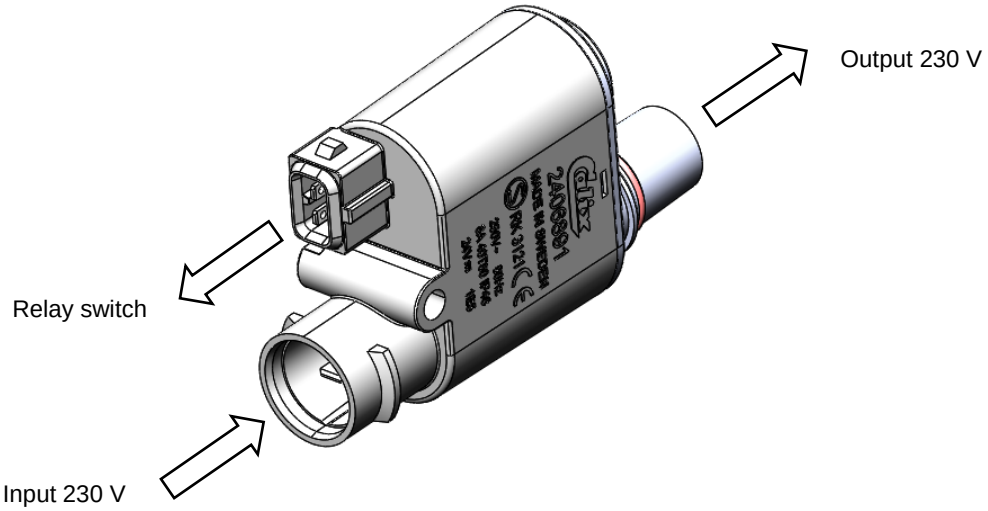
9. Certification		
Electrical safety	EN 61810-1:2015	Cert no. SE-S-2001380 Intertek

10. Connectors		
Input 230V AC	Calix SI202	
Output 230V AC	Calix SU104	
Relay switch	TYCO/TE 962 069-3	
Relay switch connecting cable	2x1,0mm2, L=2000mm, open ends	2300758

11. Dimensional data

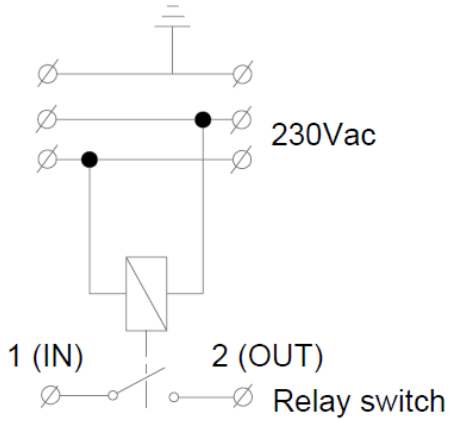


12. Description of the function



The relay can be used as an immobilizer. The relay switch is being activated (closed) by the input voltage of 230 VAC.

13. Circuit diagram



14. Doc. change record

Date	Change description	Sign	Rev
2022-11-28	Document reworked	RE	S4