

## **Miniature PCB Relay REL**

- 1 pole 5 A, 1 form A (NO) contact
- Low height 12.0mm
- **■** Especially suited for applications white goods, consumer electronics, etc.
- Plastic materials according to IEC 60335-1 (domestic appliances)



#### Typical applications

PLC's, timers, temperature control, I/O cards, white goods.

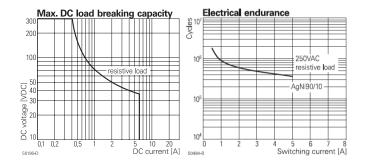


## **Approvals** VDE Cert. No. 40010579, UL E214025

Technical data of approved types on request.

Contact Data			
Contact arrangement	1 form A (NO)		
Rated voltage	250VAC		
Max. switching voltage	400VAC		
Rated current	5A		
Limiting making current, max 4s, du	ity factor 10% 15A		
Contact material	AgNi 90/10		
Frequency of operation			
with/without load	360/72000 ops./h		
Operate/release time max.	10/5ms		
Bounce time max.	4ms		
Contact ratings	·		
Type Contact Load	Cycles		

Operate/release time max.		max.	10/5ms	
Bounce t	ime max.		4ms	
Contact	ratings			
Туре	Contact	Load		Cycles
<b>IEC 6181</b>	10			-
REL34	A (NO)	5A, 250VAC, $\cos \varphi = 1$ ,	85°C	100x10 <sup>3</sup>
REL34	A (NO)	3A, 400VAC, $\cos \varphi = 1$ ,	85°C	400x10 <sup>3</sup>
UL 508				
REL34	A (NO)	5A, 250VAC, resistive	, 85°C	100x10 <sup>3</sup>
Mechanic	cal endurand	ce	>10x10 <sup>6</sup> operations	



Coil Data		
Coil voltage range	5 to 48VDC	
Operative range, IEC 61810	2	
Coil insulation system according UL1446	F	

Coil versions, DC coil							
Coil	Rated	Operate	Release	Coil	Rated coil		
code	voltage	voltage	voltage	resistance	power		
	VDC	VDC	VDC	$\Omega \pm 10\%^{1)}$	mW		
5	5	3.75	0.5	70	357		
6	6	4.5	0.6	100	360		
12	12	9.0	1.2	400	360		
24	24	18.0	2.4	1600	360		

3.6

4.8

36001)

6400<sup>1)</sup>

360

360

36

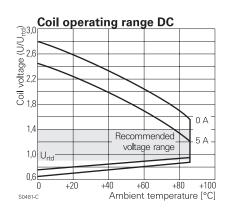
48

36

All figures are given for coil without pre-energization, at ambient temperature +23°C. Other coil voltages on request.

27.0

36.0



Insulation Data	
Initial dielectric strength	
between open contacts	1000V <sub>rme</sub>
between contact and coil	3000V <sub>me</sub>
Initial insulation resistance	mo
open contact circuit	$>10x10^{9}\Omega$
coil-contact circuit	$>10x10^{9}\Omega$
Clearance/creepage	
between contact and coil	≥4/4mm
Material group of insulation parts	Illa

<sup>48</sup> 1) Coil resistance ±15%



### Miniature PCB Relay REL (Continued)

#### **Other Data**

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at

www.te.com/customersupport/rohssupportcenter Resistance to heat and fire according EN60335, par.30 -40 to +85°C

Ambient temperature Category of environmental protection

IEC 61810 RTII - flux proof Shock resistance (destructive) 100 g

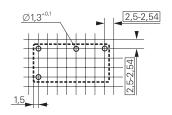
Terminal type PCB-THT 5g Weight

Resistance to soldering heat THT IEC 60068-2-20 270°C/10s

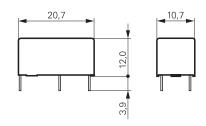
Packaging/unit tube/25 pcs., box/500 pcs.

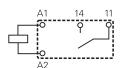
#### PCB layout / terminal assignment

Bottom view on solder pins



#### **Dimensions**





REL

#### Product code structure

Typical product code

3

024

REL Miniature PCB Relay REL Contact arrangement

3 1 form A (NO) contact

**Contact material** 

AgNi 90/10

Coil

Type

Coil code: please refer to coil versions table

Product code	Version	Contacts	Contact material	Coil	Part Number
REL34006	flux proof	1 form A	AgNi90/10	6VDC	3-1415535-5
REL34012		1 NO contact		12VDC	3-1415535-6
REL34024				24VDC	3-1415535-7
REL34048				48VDC	3-1415535-8

## 单击下面可查看定价,库存,交付和生命周期等信息

# >>TE Connectivity(泰科)