

Miniature PCB Relay REL

- 1 pole 5 A, 1 form A (NO) contact
- Low height 12.0mm

Typical applications

- Especially suited for applications white goods, consumer electronics, etc.
- Plastic materials according to IEC 60335-1 (domestic appliances)

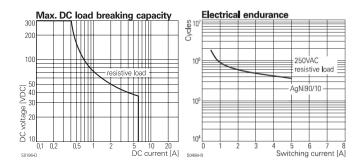




Typical applications	
PLC's, timers, temperature control, I/O cards, white goods.	

Approvals
VDE Cert. No. 40010579, UL E214025
Technical data of approved types on request.

Contact Data			
Contact arrangen	nent	1 form A (NO)	
Rated voltage		250VAC	
Max. switching vo	oltage	400VAC	
Rated current		5A	
Limiting making c	urrent, m	ax 4s, duty factor 10% 15A	
Contact material		AgNi 90/10	
Frequency of ope	ration		
with/without lo	ad	360/72000 ops./h	
Operate/release t	ime max.	10/5ms	
Bounce time max	ζ.	4ms	
Contact ratings			
Type Conta	act Load	1	Cycles
IEC 61810			
REL34 A (NC) 5A, 2	250VAC, cosφ=1, 85°C	100x10 ³
REL34 A (NC)) 3A, 4	400VAC, cosφ=1, 85°C	400x10 ³
UL 508			
REL34 A (NC)) 5A, 2	250VAC, resistive, 85°C	100x10 ³
Mechanical endu	rance	>10x10 ⁶ operation:	S



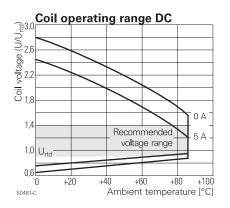
Coil Data		
Coil voltage range	5 to 48VDC	
Operative range, IEC 61810	2	
Coil insulation system according UL1446	F	

Coil versions, DC coil

CONVERS	SIONS, DC CO				
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
36	36	27.0	3.6	3600 ¹⁾	360
48	48	36.0	4.8	6400 ¹⁾	360

¹⁾ Coil resistance ±15%.

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



Insulation Data

modiation bata		
Initial dielectric strength		
between open contacts	1000V_ms	
between contact and coil	3000V_ms	
Initial insulation resistance		
open contact circuit	>10x10 ⁹ Ω	
coil-contact circuit	>10x10 ⁹ Ω	
Clearance/creepage		
between contact and coil	≥4/4mm	
Material group of insulation parts	Illa	

Catalog and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section. Catalog and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at http://relays.te.com/definitions

Catalog product data, 'Definitions' section, application notes and all specifications are subject to change.

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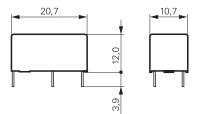


Miniature PCB Relay REL (Continued)

Other Data

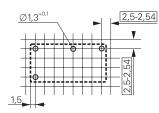
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content					
refer to the Product Compliance Support Center at					
	1 1				
www.te.com	/customersupport/rohssupportcenter				
Resistance to heat and fire according EN60335, pa					
Ambient temperature	-40 to +85°C				
Category of environmental protection					
IEC 61810	RTII - flux proof				
Shock resistance (destructive)	100 g				
Terminal type	PCB-THT				
Weight	5g				
Resistance to soldering heat THT					
IEC 60068-2-20	270°C/10s				
Packaging/unit	tube/25 pcs., box/500 pcs.				

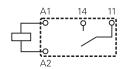
Dimensions



PCB layout / terminal assignment

Bottom view on solder pins





Product code structure	3	4	024	
Type REL Miniature PCB Relay REL				
Contact arrangement				
3 1 form A (NO) contact				
Contact material			-	
4 AgNi 90/10				
Coil				
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

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Mouser Electronics

Authorized Distributor

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TE Connectivity: 4-1393217-7