

Miniature PCB Relay RE

- 1 pole 6 A, 1 form A (NO) contact
- Sensitive coil 200 mW
- 4 kV coil-contact
- Optimized height 10.6mm
- PCB area 200mm²
- Wash tight
- Product in accordance to IEC 60335-1 (domestic appliances)



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



Approvals

VDE Cert. No. 40010578, UL E214025

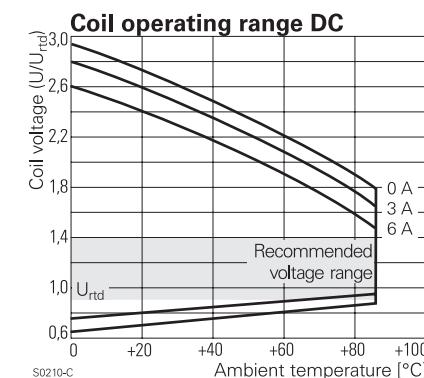
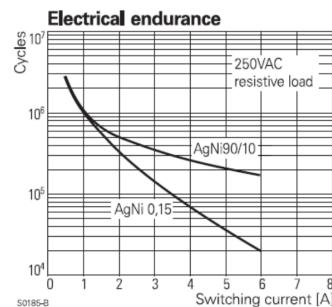
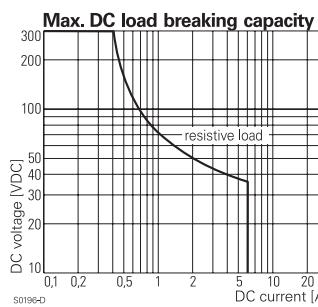
Technical data of approved types on request.

Contact Data

Contact arrangement	1 form A (NO)
Rated voltage	250VAC
Max. switching voltage	400VAC
Rated current	6A
Limiting making current, max 4s, duty factor 10%	15A
Breaking capacity max.	1500VA
Contact material	AgNi 0.15, 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
IEC 61810			
RE034	A (NO)	6A, 250VAC, cosφ=1, 70°C	100x10 ³
UL 508			
RE034	A (NO)	6A, 250VAC, general purpose, 70°C	100x10 ³
RE034	A (NO)	B300 pilot duty 40°C	6x10 ³
Mechanical endurance		>30x10 ⁶ ops.	



Insulation Data

Initial dielectric strength between open contacts	1000V _{rms}
between contact and coil	4000V _{rms}
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	IIIa
Tracking index of relay base	PTI250V

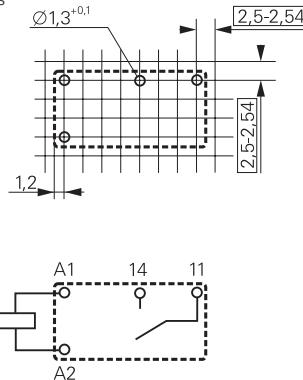
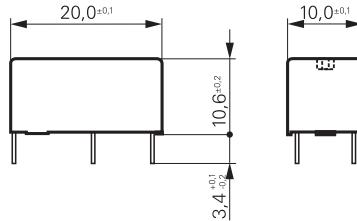
Miniature PCB Relay RE (Continued)

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 EN 60335, par.30
Ambient temperature -40 to +70°C
Category of environmental protection IEC 61810 RTIII - wash tight
Vibration resistance (functional) 10g
Terminal type PCB-THT
Resistance to soldering heat THT IEC 60068-2-20 260°C/5s
Packaging/unit tube/25 pcs., box/500 pcs.

PCB layout / terminal assignment

Bottom view on solder pins


Dimensions

Product code structure

Typical product code

RE 0 3 2 012

Type

RE Miniature PCB Relay RE

Version

0 Wash tight

Contact Configuration

3 form A (NO) contact

Contact material

 1 AgNi 0.15
4 AgNi 90/10

2 AgNi 0.15 gold plated

5 AgNi 90/10 gold plated

Coil

Coil code: please refer to coil versions table

Product code	Version	Contacts	Contact material	Coil	Part Number
RE031005	wash tight	NO contacts	AgNi 0.15	5VDC	2-1415402-1
RE031006				6VDC	1-1393217-3
RE031012				12VDC	1-1393217-5
RE031024				24VDC	1-1393217-8
RE032005			AgNi 0.15	5VDC	1-1393217-9
RE032006			gold plated	6VDC	2-1393217-0
RE032012				12VDC	2-1393217-2
RE032024				24VDC	2-1393217-4
RE032048				48VDC	2-1393217-5
RE034005			AgNi 90/10	5VDC	2-1416010-3
RE034006				6VDC	2-1416010-4
RE034012				12VDC	2-1416010-6
RE034024				24VDC	2-1416010-7
RE034048				48VDC	2-1416010-8
RE035012			AgNi 90/10 gold plated	12VDC	1956226-1
RE035024				24VDC	1956226-2

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Authorized Distributor

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[TE Connectivity:](#)

[2-1393217-0 RE032006](#)