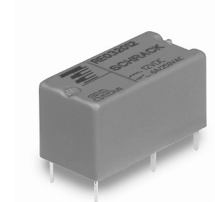


Miniature PCB Relay RE

- 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)



F0141-B

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



Approvals

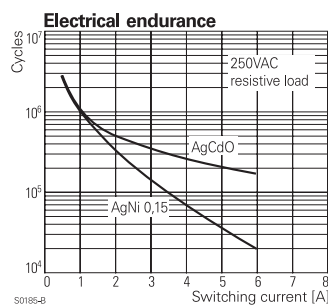
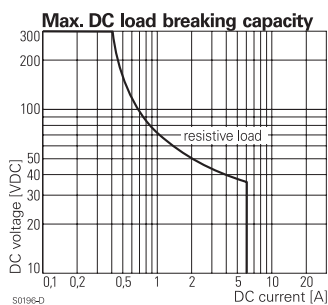
VDE REG.-Nr. 5063, UL E214025
Technical data of approved types on request

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	AgCdO, 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			
RE030	A (NO)	6A, 250VAC, cosφ=1, 70°C	100x10 ³
RE034	A (NO)	6A, 250VAC, cosφ=1, 70°C	100x10 ³
UL 508			
RE030	A (NO)	1/4 hp, 240VAC, motor 40°C	30x10 ³
RE030	A (NO)	B300 pilot duty 40°C	6x10 ³
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.



Coil Data

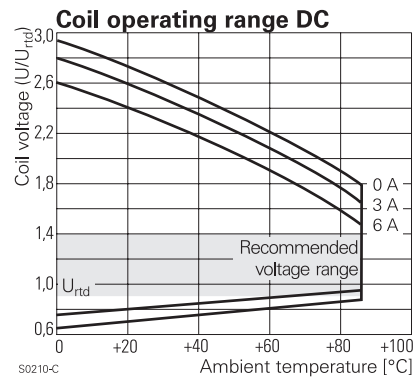
Coil voltage range	5 to 48 VDC
Operative range, IEC 61810	2
Coil insulation system according UL1446	F

Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10% ¹⁾	Rated coil power mW
5	5	3.5	0.5	125	200
6	6	4.2	0.6	180	200
12	12	8.4	1.2	720	200
18	18	12.6	1.8	1620	200
24	24	16.8	2.4	2880 ¹⁾	200
48	48	33.6	4.8	11520 ¹⁾	200

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

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	IIla
Tracking index of relay base	PTI250V

