

Power Relay RF

- 1 pole 16 A, 1 NO or 1 NC contact
- Switching capacity 4000 VA
- Coil power 400 mW
- Reinforced insulation (EN 61810, 60335, 60730)
- Ambient temperature up to 105°C
- Quick connect terminals for load side
- WG version: Materials in accordance to IEC 60335-1
- RoHS compliant (Directive 2002/95/EC)

Applications

Oven control, electric heating, power supplies, air conditioning, microwares, hobs



F0273-AI

Approvals

VDE REG.-Nr. A652, cULus E214025
Technical data of approved types on request

Contact data

Contact configuration	1NO or 1NC
Contact set	single contact
Type of interruption	micro disconnection
Rated current	16 A
Rated voltage / max.switching voltage AC	240/400 VAC
Maximum breaking capacity AC	4000 VA
Limiting making capacity, max 4 s, duty factor 10%	25 A
Contact material	AgNi90/10
Minimum contact load	12VAC / 500mA
Mechanical endurance	10x10 ⁶ cycles
Rated frequency of operation with / without load	6 / 1200 min ⁻¹

Contact ratings

Type	Load	Cycles
RF33, RFH3	11 A, 250 VAC, 85°C, EN61810-1	2.5x10 ⁵
RF33, RFH3	16 A, 250 VAC, 85°C, EN61810-1	1x10 ⁵
RF33, RFH3	20 A, 250 VAC, 85°C, EN61810-1	2.5x10 ⁴
RF33, RFH3	25 A, 250 VAC, 70°C, EN61810-1	1.5x10 ⁴
RFH3	11 A, 250 VAC, 105°C, EN61810-1	2.5x10 ⁵
RFH3	16 A, 250 VAC, 105°C, EN61810-1	5x10 ⁴
RFH3	18, 5 A, 250 VAC, 105°C, EN61810-1	2x10 ⁴
RFH3	10 A, 400 VAC, 105°C, EN61810-1	1.5x10 ⁵

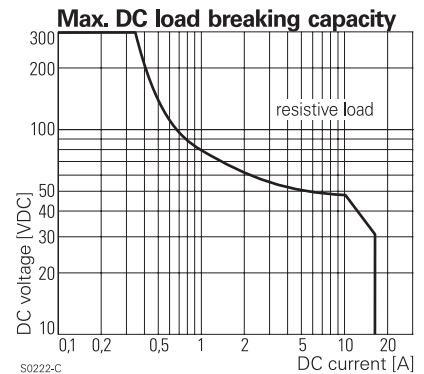
Coil data

Rated coil voltage DC coil	5...60 VDC
Coil power DC coil	typ. 400 mW
Operative range	2
Coil insulation system according UL1446	Class F

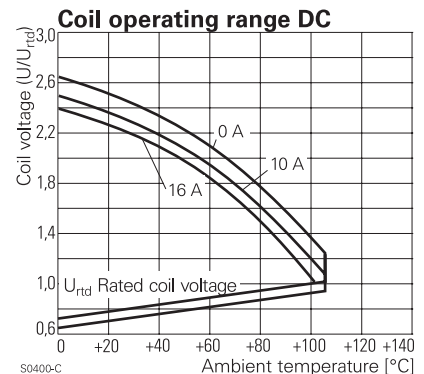
Coil versions, DC-coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
005	5	3.5	0.5	62±10%	403
006	6	4.2	0.6	90±10%	400
009	9	6.3	0.9	203±10%	399
012	12	8.4	1.2	360±10%	400
024	24	16.8	2.4	1440±10%	400
048	48	33.6	4.8	5520±10%	417
060	60	42.0	6.0	8570±10%	420

All figures are given for coil without preenergization, at ambient temperature +23°C
Other coil voltages on request



S0222-C



S0400-C

Power Relay RF (Continued)

Product key

	R	F						
Type								
Version	3 16 A, 85°C				H 16 A, 105°C			
Contact configuration	3 1 NO contact, quick connect term. vertical				5 1 NC contact, quick connect term. vertical			
	D 1 NO contact, quick connect term. horizontal				F 1 NC contact, quick connect term. horizontal			
Contact material	4 AgNi 90/10							
Coil	Coil code: please refer to coil versions table							
Version	Blank Standard version							
	WG Product in accordance with IEC 60335-1 (domestic appliances)							

Wash tight version on request

Product key	Version	Configuration	Cont. material	Coil	Part number
RF334006	16 A	1 NO contact	AgNi 90/10	6 VDC	5-1415513-1
RF334009	85°C	quick connect term. vertical		9 VDC	7-1415513-1
RF334012				12 VDC	8-1415513-1
RF334024				24 VDC	9-1415513-1
RF354006		1 NC contact		6 VDC	2-1415514-1
RF354009		quick connect term. vertical		9 VDC	3-1415514-1
RF354012				12 VDC	4-1415514-1
RF354024				24 VDC	5-1415514-1
RFH34006	16 A	1 NO contact		6 VDC	8-1415510-1
RFH34009	105°C	quick connect term. vertical		9 VDC	9-1415510-1
RFH34012				12 VDC	6-1415510-1
RFH34024				24 VDC	0-1415511-1
RFH54006		1 NC contact		6 VDC	4-1415511-1
RFH54009		quick connect term. vertical		9 VDC	5-1415511-1
RFH54012				12 VDC	6-1415511-1
RFH54024				24 VDC	7-1415511-1
RF334006WG	16 A	1 NO contact		6 VDC	5-1415517-1
RF334009WG	85°C	quick connect term. vertical		9 VDC	6-1415517-1
RF334012WG	materials according IEC 60335-1			12 VDC	7-1415517-1
RF334024WG				24 VDC	8-1415517-1
RF354006WG		1 NC contact		6 VDC	2-1415518-1
RF354012WG		quick connect term. vertical		9 VDC	4-1415518-1
RF354024WG				12 VDC	5-1415518-1
RF354048WG				24 VDC	6-1415518-1
RFH34006WG	16 A	1 NO contact		6 VDC	3-1415520-1
RFH34009WG	105°C	quick connect term. vertical		9 VDC	4-1415520-1
RFH34012WG	materials according IEC 60335-1			12 VDC	5-1415520-1
RFH34024WG				24 VDC	6-1415520-1
RFH54006WG		1 NC contact		6 VDC	0-1415521-1
RFH54009WG		quick connect term. vertical		9 VDC	1-1415521-1
RFH54012WG				12 VDC	2-1415521-1
RFH54024WG				24 VDC	3-1415521-1