

Power Relay RM 8

- 2 pole 25 A, 2 CO contacts
- DC- or AC-coil
- Mechanical indicator
- Push-to-test-button
- Chassis- or DIN-rail mount
- RoHS compliant (Directive 2002/95/EC)
as per product date code 0415

Applications

Cleaning equipment, heating and cooling equipment



F0165-A

Approvals

VDE REG.-Nr. 40003144, **CE** us E214025
Technical data of approved types on request

Contact data	RM8
Contact configuration	2 CO contacts
Contact set	single contact
Type of interruption	micro disconnection
Rated current	25 A
Rated voltage / max.switching voltage AC	400 VAC
Maximum breaking capacity AC	6000 VA
Limiting making capacity, max 20 ms	60 A
Contact material	AgNi90/10, AgCdO
Mechanical endurance	10x10 ⁶ cycles
Rated frequency of operation with / without load	16/100 min ⁻¹

Contact ratings

Type	Load	Cycles
RM80	25 A, 415 VAC, UL	10x10 ³
RM80	25 A, 250 VAC, cosφ=1, 35°C, VDE	10x10 ³
RM80	25 A, 240 VAC, 1-phase, per pole, general purpose, UL	6x10 ³

Coil data

Rated coil voltage range	DC coil	6...220 VDC
	AC coil	6...400 VAC
Coil power	DC coil	1.2 W
	AC coil	2.8 VA
Operative range		1

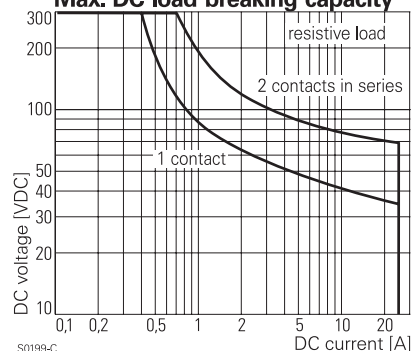
Coil versions, DC-coil

Coil code	STD	LED	PD*	LED+	Rated voltage	Operate voltage	Release voltage	Coil resistance	Rated coil power
					VDC	VDC	VDC	Ohm	W
		bipolar							
006	L06	0A6	LA6		6	4.5	0.6	32±10%	1.1
012	L12	0B2	LB2		12	9.0	1.2	110±10%	1.3
024	L24	0C4	LC4		24	18.0	2.4	475±10%	1.2
048	L48	0E8	LE8		48	36.0	4.8	2000±10%	1.2
060	L60	0G0	LG0		60	45.0	6.0	2850±10%	1.3
110	M10	1B0	MB0		110	82.5	11.0	10000±12%	1.2
221	N21	2C1	NC1		220	165.0	22.0	40000±15%	1.2

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

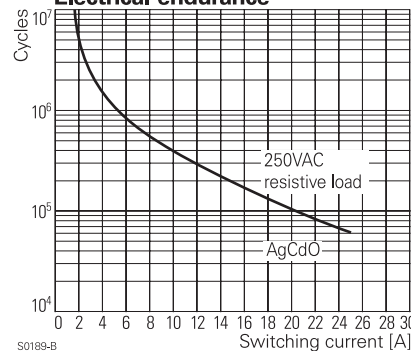
*) Protection diode PD; standard polarity: +A1 / -A2

Max. DC load breaking capacity



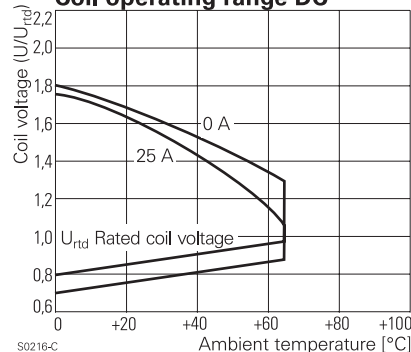
S0199-C

Electrical endurance



S0199-B

Coil operating range DC

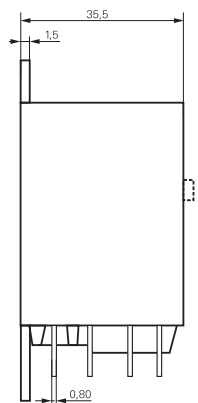
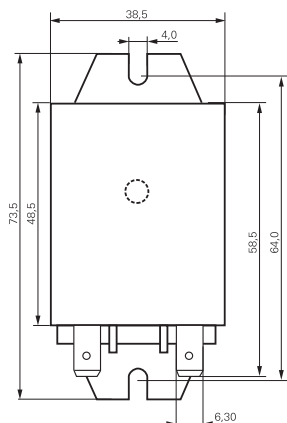


S0216-C

Power Relay RM 8 (Continued)

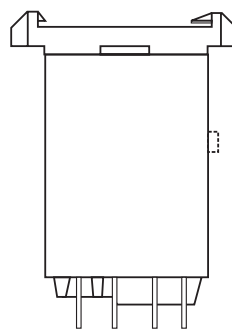
Dimensions

Cover with mounting brackets, 6.3 mm quick connect terminals



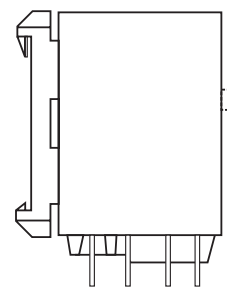
S0298-BC

Cover with DIN-snap-on attachment
horizontal



S0298-BD

vertical



S0298-BE

Product key

Type

Contact configuration

8 2 CO contacts, 25 A

Version

0 AgCdO, without test button

3 AgCdO, with test button

2 AgNi 90/10, without test button

7 AgNi 90/10, with test button

Enclosure

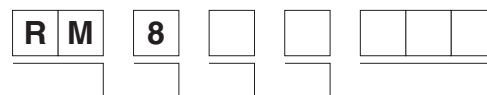
5 cover with mounting brackets, 6.3 mm quick connect terminals

8 cover with DIN-snap-on attachment, horizontal, 6.3 mm quick connect terminals

9 cover with DIN-snap-on attachment, vertical, 6.3 mm quick connect terminals

Coil

Coil code: please refer to coil versions table, preferred types in bold print



Product key	Contacts	Version	Enclosure	Coil	Coil	Part number
RM805024	2 CO contacts 25 A	without test button	mounting brackets quick c. 6.3 mm	DC-coil	24 VDC	2-1393844-7
RM805524				AC-coil	24 VAC	2-1393147-9
RM805615					115 VAC	3-1393147-1
RM805730					230 VAC	3-1393147-3
RM808024				DC-coil	24 VDC	2-1393844-9
RM808524			DIN-snap-on horizontal	AC-coil	24 VAC	3-1393147-7
RM808730					230 VAC	5-1393149-7
RM809024			DIN-snap-on vertical	DC-coil	24 VDC	5-1393149-8
RM809615				AC-coil	115 VAC	3-1393147-8
RM809730					230 VAC	3-1393147-9
RM835024		with test button	mounting brackets quick c. 6.3 mm	DC-coil	24 VDC	4-1393147-1
RM835524				AC-coil	24 VAC	4-1393147-3
RM835615					115 VAC	4-1393147-4
RM835730					230 VAC	4-1393147-6
RM838024			DIN-snap-on horizontal	DC-coil	24 VDC	4-1393147-8
RM838524				AC-coil	24 VAC	5-1393147-0
RM838730					230 VAC	5-1393147-1
RM839024			DIN-snap-on vertical	DC-coil	24 VDC	5-1393147-4
RM839524				AC-coil	24 VAC	5-1393147-5
RM839730					230 VAC	5-1393147-6