

Power Relay RM 8

2 pole 25 A, DC- or AC-coil



Features

- 2 C/O contacts
- DC- or AC-coil
- Mechanical indicator
- Push-to-test-button
- Chassis- or DIN-rail mount

Applications

Cleaning equipment, heating and cooling equipment

F0165-A



Technical data of approved types on request

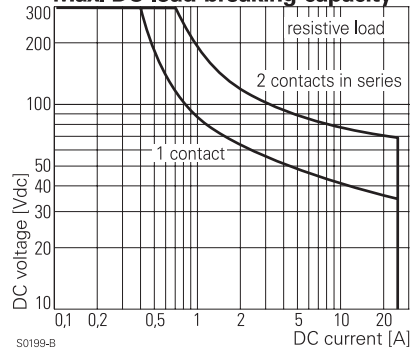
Contact data

Configuration	2 C/O contact
Type of contact	single contact
Rated current	25 A
Rated voltage / max.breaking voltage AC	250 Vac / 440 Vac
Maximum breaking capacity AC	6000 VA
Make current (max. 4 s at duty cycle 10%)	60 A
Contact material	AgCdO

Contact ratings

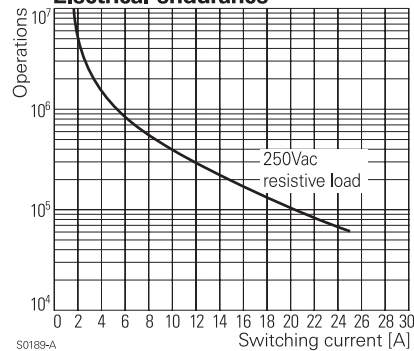
Type	Load	Standard
RM8	2hp, 240 Vac, per contact	UL 508
RM8	1.5hp, 120 Vac, per contact	UL 508
RM8	25 A, 240 Vac, per contact	UL 508

Max. DC load breaking capacity



S0199-B

Electrical endurance



S0189-A

Coil data

Nominal voltage	DC coil	6...220 Vdc
	AC coil	6...400 Vac
Nominal coil power	DC coil	1.2 W
	AC coil	2.8 VA

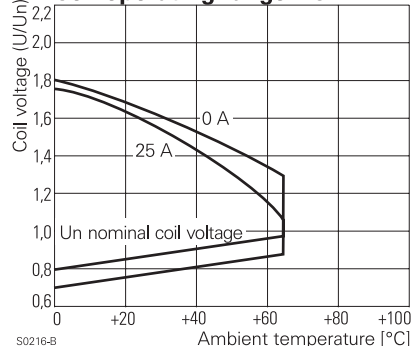
Coil versions, DC-coil, RM8

Coil code	STD	LED	PD*	LED	Nominal voltage	Pull-in voltage	Release voltage	Coil resistance	Coil current
	bipolar				Vdc	Vdc	Vdc	Ω	mA
006	L06	0A6	LA6		6	4.5	0.6	32 ± 10%	187.5
012	L12	0B2	LB2		12	9.0	1.2	110 ± 10%	109.1
024	L24	0C4	LC4		24	18.0	2.4	475 ± 10%	50.5
048	L48	0E8	LE8		48	36.0	4.8	2000 ± 10%	24.0
060	L60	0G0	LG0		60	45.0	6.0	2850 ± 10%	21.1
110	M10	1B0	MB0		110	82.5	11.0	10000 ± 12%	11.0
221	N21	2C1	NC1		220	165.0	22.0	40000 ± 15%	5.5

All figures are given for coil without preenergization, at ambient temperature +20°C

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

Coil operating range DC



S0216-B

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Coil versions, AC-coil, RM8

Coil code	LED	Nominal voltage Vac	Pull-in voltage Vac	Release voltage Vac	Coil resistance Ω	Coil current mA
506	R06	6	4.8	2.4	$4.7 \pm 10\%$	476.7
512	R12	12	9.6	4.8	$19.5 \pm 10\%$	225.8
524	R24	24	19.2	9.6	$80 \pm 10\%$	109.2
548	R48	48	38.4	19.2	$320 \pm 10\%$	54.2
560	R60	60	48.0	24.0	$500 \pm 10\%$	43.7
615	S15	115	92.0	46.0	$1850 \pm 10\%$	23.0
730	T30	230	184.0	92.0	$7500 \pm 10\%$	11.7
900	V00	400	320.0	160.0	$23500 \pm 15\%$	6.5

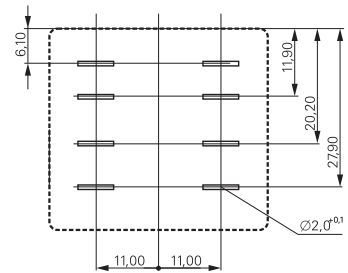
All figures are given for coil without preenergization, at ambient temperature +20°C

Insulation

Dielectric strength	coil-contacts	2500 V _{rms}
	open contact circuit	1500 V _{rms}
	adjacent contacts	4000 V _{rms}
Clearance / creepage		$\geq 2.8 / 4$ mm
Insulation to VDE 0110b (2/79)		
Insulation category / reference voltage		C / 250

Terminal assignment

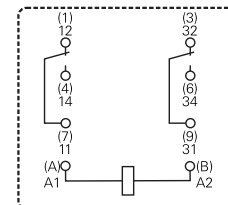
View on solder pins
Dimensions in mm



S0269-AG

Other data

Ambient temperature	DC-coil	-45...+65 °C
	AC-coil	-45...+40 °C
Mechanical life		$>10 \times 10^6$ operations
Max. switching rate at rated- / minimum load		16 min ⁻¹ / 100 min ⁻¹
Operate- / release time		approx. 15 / 15 ms
Bounce time		approx. 3 ms
Vibration resistance N/O / N/C contact		$>10 / 5$ g, 30...150 Hz
Category of protection (IEC 61810)		RT I - dust protected
Relay weight		81 g
Packaging unit		10 / 25 pcs.



S0269-AD

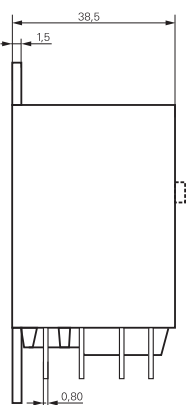
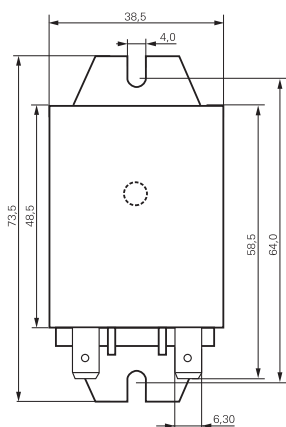
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Dimensions

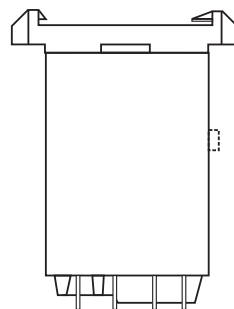
Dimensions in mm

Cover with mounting brackets, 6.3 mm Faston



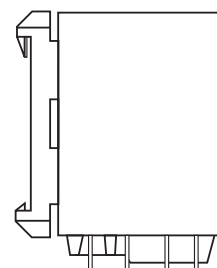
S0298-AC

Cover with DIN-snap-on attachment
horizontal



S0298-AD

vertical



S0298-AE

Product key



Type

Contacts

8 2 C/O contacts, 25 A

Version

0 without test button **3** with test button

Mounting

5 cover with mounting brackets, 6.3mm Faston terminals
8 cover with DIN-snap-on attachment, horizontal, 6.3mm Faston terminals
9 cover with DIN-snap-on attachment, vertical, 6.3mm Faston 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 C/O contacts 25 A	without	mounting brackets	DC-coil	24 Vdc	2-1393844-7
RM805524		test button	6.3mm Faston	AC-coil	24 Vac	2-1393147-9
RM805615					115 Vac	3-1393147-1
RM805730					230 Vac	3-1393147-3
RM808024			DIN-snap-on horizontal	DC-coil	24 Vdc	2-1393844-9
RM808524				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 6.3mm Faston	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