Power Relay RM C/D

- **1 pole 30 A, 1 NO or 1 NO + 1 NC contact**
- **Switching capacity up to 7500 VA**
- **DC- or AC-coil**
- **Push-to-test-button**
- **Chassis mount**
- **RoHS compliant (Directive 2002/95/EC) as per product date code 0415**

Applications

Battery chargers, heating control

F0166-A

Approvals

c UL us E214025

Technical data of approved types on request

Contact data	RMC	RMD
Contact configuration	1 NO and 1 NC	1 NO
Contact set	single bridging contact	
Type of interruption	micro disconnection	
Rated current	30 A	
Rated voltage / max.switching voltage AC	400/440 VAC	
Maximum breaking capacity AC	7500 VA	
Limiting making capacity, max 20 ms	60 A	
Contact material	AgCdO	
Mechanical endurance	$10x10^6$ cycles	
Rated frequency of operation with / without load	16/100 min^{-1}	

Contact ratings

Type	Load	Cycles
RMC/D	30 A, 415 VAC, UL	$10x10^3$
RMC/D	30 A, 250 VAC, 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

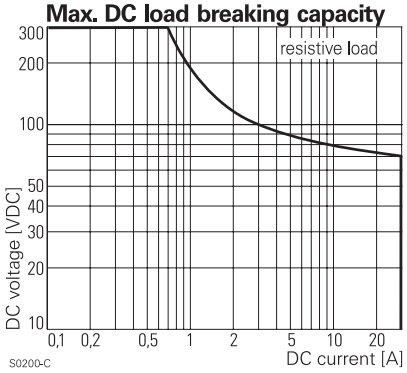
Coil versions, DC-coil

Coil code STD	LED bipolar	PD*	LED+ PD*	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power W
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

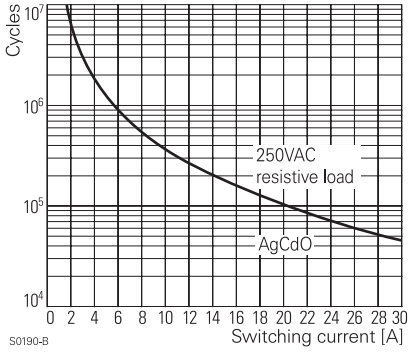
All figures are given for coil without preenergization, at ambient temperature +23°C

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

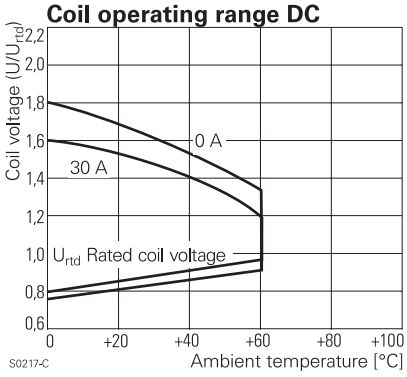
Max. DC load breaking capacity



Electrical endurance



Coil operating range DC



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Specifications subject to change.

Power Relay RM C/D (Continued)

Coil versions, AC-coil 50/60 Hz

Coil code STD	LED	Rated voltage VAC	Operate voltage 50/60Hz VAC	Release voltage 50/60Hz VAC	Coil resistance Ohm	Rated coil power 50/60Hz VA
524	**R24**	**24**	**19.2**	**9.6**	**80±10%**	**2.62/2.00**
548	R48	48	38.4	19.2	320±10%	2.60/2.17
560	R60	60	48.0	24.0	500±10%	2.62/2.20
615	S15	115	92.0	46.0	1850±10%	2.65/2.22
730	**T30**	**230**	**184.0**	**92.0**	**7500±10%**	**2.69/2.26**
900	V00	400	320.0	160.0	23500±15%	2.61/2.20

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

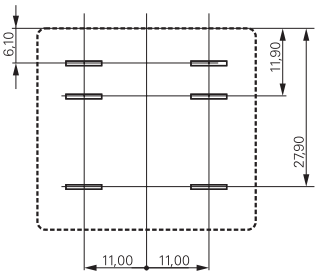
Insulation

Dielectric strength coil-contact circuit	2500 V_{rms}
open contact circuit	1500 V_{rms}
Clearance / creepage coil-contact circuit	≥ 4/14.9 mm
Material group of insulation parts	≥ IIIa
Insulation to IEC 60664-1	
Type of insulation coil-contact circuit	basic
open contact circuit	functional
Rated insulation voltage	250 V
Pollution degree	3
Rated voltage system	240/400 V
Overvoltage category	III

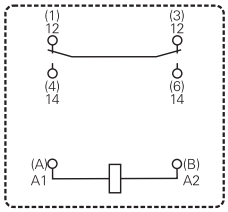
Other data

RoHS - Directive 2002/95/EC	compliant as per product date code 0415
Ambient temperature range DC coil	-45...+60°C
AC coil	-45...+40°C
Operate- / release time	17/18 ms
Bounce time NO / NC contact	4
Vibration resistance (function) NO / NC contact	10/5 g, 30...150 Hz
Category of protection	RTI - dust protected
Relay weight	81 g
Packaging unit	10 pcs

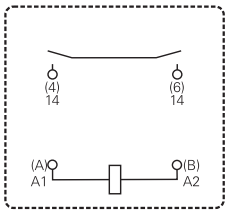
Terminal assignment
Bottom view on pins



1 NO and 1 NC contact, RMC



1 NO contact, RMD



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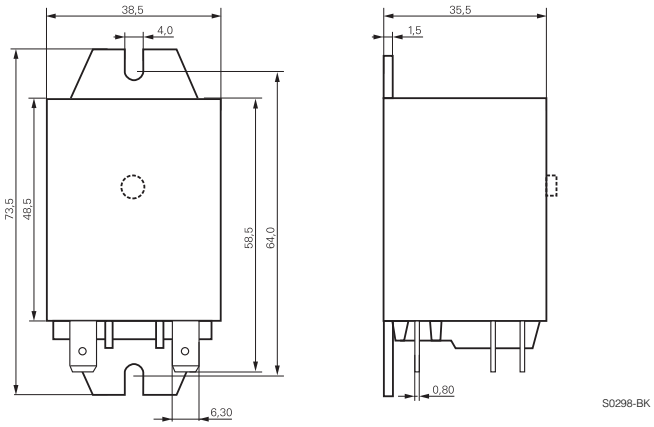
Power Relay RM C/D (Continued)

Dimensions

Cover with mounting brackets, 6.3 mm quick connect terminals



Product key

Type

Contact configuration
- **C** 1 NO contact and 1 NC contact, 30 A
- **D** 1 NO contact, 30 A

Version
- **0** AgCdO, without test button
- **3** AgCdO, with test button

Enclosure
- **5** cover with mounting brackets, 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
RMC05024	1 NO + 1 NC	without	mounting brackets	DC-coil	24 VDC	4-1393844-5
RMC05524	contact	test button	quick c. 6.3 mm	AC-coil	24 VAC	0-1393146-5
RMC05615	30 A				115 VAC	8-1393147-7
RMC05730					230 VAC	0-1393146-6
RMC35024		with test button		DC-coil	24 VDC	0-1393146-7
RMD05024	1 NO contact	without			24 VDC	0-1393146-9
RMD05524	30 A	test button		AC-coil	24 VAC	1-1393146-1
RMD05615					115 VAC	0-1415009-1
RMD05730					230 VAC	4-1393844-7
RMD35024		with		DC-coil	24 VDC	2-1419136-2
RMD35730		test button		AC-coil	230 VAC	0-1393097-5

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