

Slim Interface Relay SNR

- 1 pole 6 A, 1 CO contact
- Sensitive coil 170 mW
- 4 kV coil-contact, 6 / 8 mm clearance/creepage
- Reinforced insulation (protection class II, VDE 0601)
- Reduced system width for increased packing density on the DIN rail
- RoHS compliant (Directive 2002/95/EC) as per product date code 0404

Applications

Interface technology, panel boards, mechanical engineering, process control



F0270-A

SCHRACK

Approvals

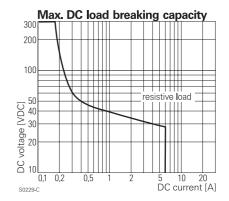
REG.-Nr. 6666, **c 7 us** E214024
Technical data of approved types on request

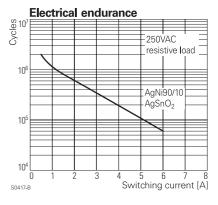
Contact data					
Contact configuration	1C0	0			
Contact set	single contact				
Type of interruption	micro disconnection				
Rated current	6 A				
Rated voltage / max.switching voltage AC	240/400 VAC				
Maximum breaking capacity AC	1500 VA				
Limiting making capacity, max 4 s, duty factor 10%	10 .	A			
Contact material	AgSnO ₂	AgSnO ₂			
		gold plated			

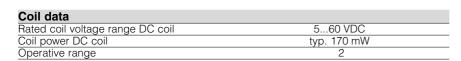
oontaot material	7 1901102	7 1901102
		gold plated
Minimum contact load	100mA, 12V	50mW
Mechanical endurance	10x10 ⁶	cycles
Bated frequency of operation with / without load	6 /120	0 min ⁻¹

Contact ratings

••••••		
Туре	Load	Cycles
V23092-****-A302	3(1.5)A, 250 VAC, 85°C, 1 mm mounting distance,	
	6 cycles / min, EN60730-1	100x10 ³
V23092-****-A302	5(1.5) A, 250 VAC, 85°C, 0.5 mm mounting	
-A802	distance, 6 cycles / min, EN60730-1	10x10 ³
V23092-	Pilot Duty R300 28 VDC, 85°C, 6000 cycles, UL508	
V23092-	Pilot Duty B300 240 VAC, 85°C, 6000 cycles, UL508	



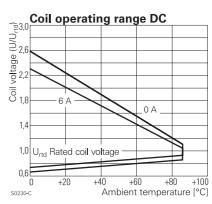




Coil versions, DC-coil

OUII VCIO	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDČ	VDC	VDČ	Ohm	mW
005	5	3.5	0.25	147±10%	170
012	12	8.4	0.6	848±10%	170
024	24	16.8	1.2	3390±10%	170
048	48	33.6	2.4	10600±15%	217
060	60	42.0	3.0	20500±15%	176

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



Datasheet Rev. EK1 Issued 2005/11 www.tycoelectronics.com www.schrackrelays.com Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the $\hbox{`Schrack' section}.$



Dimensions

28,0 max

Electronics

Slim Interface Relay SNR (Continued)

Insulation			
Dielectric strength coil-contact circuit	400	00 V _{rms}	
open contact circuit	100	00 V _{rms}	
Clearance / creepage coil-contact circuit	≥ 6	/ 8 mm	
Material group of insulation parts	≥ IIIa		
Tracking index of relay base	PTI 250		
Insulation to IEC 60664-1			
Type of insulation coil-contact circuit	reinforced		
open contact circuit	fund	ctional	
Rated insulation voltage	250 V		
Pollution degree	3	2	
Rated voltage system	230 V 400 V		
Overvoltage category		III	

Other data RoHS - Directive 2002/95/EC compliant as per product date code 0404 Flammability class according to UL94 V-0 -40...+85°C 5 / 2,5 ms Ambient temperature range Operate- / release time Bounce time NO / NC contact 1,5 / 5 ms 10 / 5 g Vibration resistance (function) NO / NC contact 10 / 5 g Shock resistance (function) NO / NC contact Shock resistance (destruction) 30 g Category of protection RTIII - wash tight Mounting distance 0 mm, dense packing 6 g 20 / 1000 pcs Relay weight Packaging unit

Relay Packages

Complete packages consisting of a relay mounted on a socket see Relay Package SNR

Product key 3 0 9 Α A 2 2 1 Type Version A1 standard, wash tight Coil Coil code: please refer to coil versions table Contact system A standard Contact material 2 AgSnO₂, gold plated 3 AgSnO₂ Contact configuration 01 1 CO contact Other types on request

Product key	Version	Contacts	Cont. material	Coil	Part number
V23092-A1005-A201	plug-in	1 CO contact	AgSnO ₂ , gold plated	5 VDC	0-1393236-1
V23092-A1005-A301	vertical version		AgSnO ₂		0-1393236-2
V23092-A1012-A201	washable		AgSnO ₂ , gold plated	12 VDC	0-1393236-4
V23092-A1012-A301			AgSnO ₂		0-1393236-7
V23092-A1024-A201			AgSnO ₂ , gold plated	24 VDC	2-1393236-1
V23092-A1024-A301			AgSnO ₂		2-1393236-4
V23092-A1048-A201			AgSnO ₂ , gold plated	48 VDC	3-1393236-5
V23092-A1048-A301			AgSnO ₂		3-1393236-7
V23092-A1060-A201			AgSnO ₂ , gold plated	60 VDC	4-1393236-2
V23092-A1060-A301			AgSnO ₂		4-1393236-3

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Interface Power Relay RT

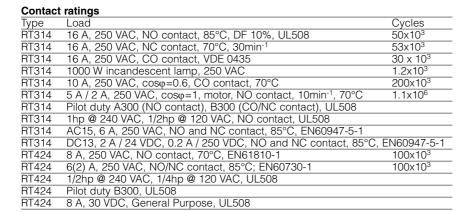
- 1 pole 12 / 16 A, 2 pole 8 A, 1 CO contact or 2 CO contacts
- DC- or AC coil
- Sensitive coil 400 mW
- Reinforced insulation, protection class II (VDE 0700)
- 5 kV / 10 mm coil-contact
- 1pole 12 A with 3.5 or 5 mm pinning
- **■** Recycleable packaging
- RoHS compliant (Directive 2002/95/EC) as per product date code 0413



Panel boards, mechanical engineering



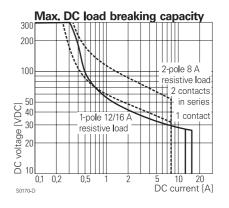
Contact data	1-pole	2-pole
Contact configuration	1 CO	2 CO
Contact set	single o	contact
Type of interruption	micro disc	onnection
Rated current	12 / 16 A	8 A
Rated voltage / max.switching voltage AC	240/400 VAC	
Maximum breaking capacity AC	3000 / 4000 VA	2000 VA
Limiting making capacity, max 4 s, df 10%	25 / 30 A	15 A
Contact material	AgNi 90/10	
Mechanical endurance DC coil	$> 30 \times 10^6$	>30 x 10 ⁶
AC coil	$> 10 \times 10^6$	>5 x 10 ⁶
Rated frequency of operation with / without load	6 / 1200	0 min ⁻¹

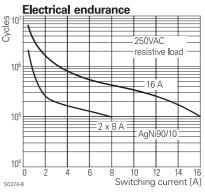


Coil data	
Rated coil voltage range DC coil	5110 VDC
AC coil	24230 VAC
Coil power DC coil	typ 400 mW
AC coil	typ 0.75 VA
Operative range	2
Coil insulation system according UL1446	class F



F0269





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Interface Power Relay RT (Continued)

Coil vers	ions, DC-coil				
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDČ	VDC	VDČ	Ohm	mW
006	6	4.2	0.6	90±10%	400
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±12%	420
110	110	77 O	11.0	28800+12%	420

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

Coil versions, AC-coil 50Hz

Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
		50 Hz	50 Hz		50 Hz
	VAC	VAC	VAC	Ohm	VA
524	24	18.0	3.6	350±10%	0.76
615	115	86.3	17.3	8100±15%	0.76
730	230	172.5	34.5	32500±15%	0.74

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

Insulation Dielectric strength coil-contact circuit open contact circuit adjacent contact circuits 5000 V_{rms} adjacent contact circuits 2500 V_{rms} Clearance / creepage coil-contact circuit ≥ 10 / 10 mm Material group of insulation parts ≥ Illa Tracking index of relay base PTI 250 V Insulation to IEC 60664-1

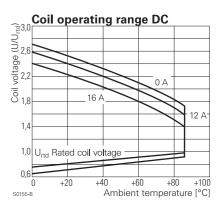
Type of insulation coil-contact circuit reinforced open contact circuit adjacent contact circuits basic
Rated insulation voltage 250 V
Pollution degree 3
Rated voltage system 240/400 V
Overvoltage category III

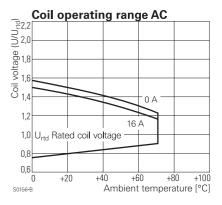
Other data	1-pole	2-pole
RoHS - Directive 2002/95/EC	compliant as per pro-	duct date code 0413
Flammability class according to UL94	V	-0
Ambient temperature range DC coil	-40+	-85°C
AC coil	-40+	+70°C
Operate- / release time DC coil	typ 7 / 3 ms	typ 7 / 2 ms
Bounce time DC coil, NO / NC contact	typ 1 / 3 ms	typ 1/3 ms
Vibration resistance (function), NO / NC contact	ct 20 / 5 g, 30) 500 Hz
Shock resistance (destruction)	100	0 g
Category of protection	R1	П
Mounting distance	0 mm, dens	se packing
Relay weight	14	g
Packaging unit	20 / 50	00 pcs

Accessories For Details see datasheet Accessories Interface Power Relay RT

Relay Packages

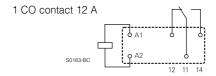
Complete packages consisting of a relay mounted on a socket see Package RT

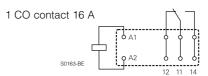


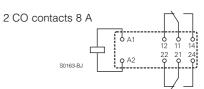


Terminal assignment

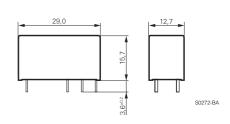
Bottom view on pins







Dimensions



2

Datasheet Rev. EK1 Issued 2005/11 www.tycoelectronics.com Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.





Electronics Interface Power Relay RT (Continued)

Product key		RT	4	
Туре				
Version				
1 1-pole, 12 A, pinning 3.5 mm 3	1-pole, 16 A, pinning 5 mm			
2 1-pole, 12 A, pinning 5 mm 4	2-pole, 8 A, pinning 5 mm			
Contact configuration				
1 1 ČO contact 2	2 CO contacts			
Contact material				
4 AgNi 90/10				
Coil				
Coil code: please refer to coil versions table, p	referred types in bold print			

Wash tight version on request

Product key	Version	Contacts	Cont. material	Coil	Coil	Part number
RT114024	1-pole, 12 A	1 CO contact	AgNi 90/10	DC-coil	24 VDC	1-1393239-3
RT114524	pinning 3.5 mm			AC-coil	24 VAC	1-1393239-7
RT114615	, ,				115 VAC	1-1393239-8
RT114730					230 VAC	1-1393239-9
RT214024	1-pole, 12 A			DC-coil	24 VDC	5-1393239-5
RT214524	pinning 5 mm			AC-coil	24 VAC	5-1393239-9
RT214615	, ,				115 VAC	6-1393239-0
RT214730					230 VAC	0-1419108-6
RT314024	1-pole, 16 A			DC-coil	24 VDC	9-1393239-8
RT314524	pinning 5 mm			AC-coil	24 VAC	0-1393240-4
RT314615	'				115 VAC	0-1393240-6
RT314730					230 VAC	0-1393240-7
RT424024	2-pole, 8 A	2 CO contacts		DC-coil	24 VDC	6-1393243-8
RT424524	pinning 5 mm			AC-coil	24 VAC	7-1393243-6
RT424615	'				115 VAC	7-1393243-8
RT424730					230 VAC	7-1393243-9



SCHRACK

Miniature Relay PT

- 2 pole 12 A, 3 pole 10 A or 4 pole 6 A, 2, 3 or 4 CO contacts
- **■** DC- or AC-coil
- Switching performance up to 3000 VA
- Relay height 29 mm
- Mechanical and electrical indicator
- Manual test tab, optionally lockable.
- **■** White marking tabs
- RoHS compliant (Directive 2002/95/EC)

Applications

Universal use in control and automation

Technical data of approved types on request

Approvals

REG.-Nr. 115719, c \$\infty\$ us E214025, \$\infty\$ 00/20059(E2)

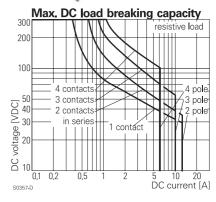
Contact data	PT2	PT3	PT5			
Contact configuration	2 CO	3 CO	4 CO			
Contact set		single contact				
Type of interruption	mi	micro disconnection				
Rated current	12 A	10 A	6 A			
Rated voltage / max.switching voltage AC	240/400 VAC	240/400 VAC	240/240 VAC			
Maximum breaking capacity AC	3000 VA	2500 VA	1500 VA			
Limiting making capacity, max 20 ms	24 A	20 A	12 A			
Contact material		AgNi90/10, AgNi90/10 gold plated				
Minimum contact load	12V/10m/	12V/10mA, 20mV/1mA gold plated				
Mechanical endurance DC coil		30x10 ⁶ cycles				
AC coil		20x10 ⁶ cycles				
Rated frequency of operation with / without	load	6/600 min	-1			

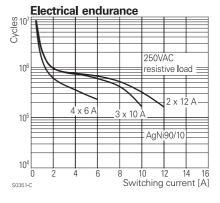
Contact	ratinae

Туре	Load	Cycles
PT270	12 A, 250 VAC, 3000 VA, cosφ=1, DF 50%, 600 h ⁻¹ , NO, 70°C	168x10 ³
PT270	8 A, 250 VAC, 2000 VA, cosφ=1, DF 50%, 600 h ⁻¹ , NO, 70°C	750x10 ³
PT270	4 A, 250 VAC, 1000 VA, cosφ=1, DF 50%, 600 h ⁻¹ , NO, 70°C	8.3x10 ⁶
PT270	3.75 A, 400 VAC, opp. polarity, 70°C, AC3	
PT270	5 A, 250 VAC, opp. polarity, normal/abnormal, 70°C, AC15	
PT270	8 A, 24 VDC, opp. polarity, normal/abnormal, 70°C, DC13	
PT270	1.7 A, 230 VAC, 400 W, opp. polarity, 70°C, AC5b	
PT370	10 A, 250 VAC, 2500 VA, cosφ=1, DF 50%, 600 h ⁻¹ , NO, 70°C	159x10 ³
PT370	8 A, 250 VAC, 2000 VA, cosφ=1, DF 50%, 600 h ⁻¹ , NO, 70°C	466x10 ³
PT370	4 A, 250 VAC, 1000 VA, cosφ=1, DF 50%, 600 h ⁻¹ , NO, 70°C	1.1x10 ⁶
PT370	2 A, 400 VAC, opp. polarity, 70°C, AC3	
PT370	5 A, 250 VAC, opp. polarity, normal/abnormal, 70°C, AC15	
PT370	8 A, 24 VDC, opp. polarity, normal/abnormal, 70°C, DC13	
PT370	1.7 A, 230 VAC, 400 W, 70°C, AC5b	
PT570	6 A, 250 VAC, 1500 VA, cosφ=1, DF 50%, 600 h ⁻¹ , NO, 70°C	228x10 ³
PT570	2 A, 250 VAC, 500 VA, cosφ=1, DF 50%, 600 h ⁻¹ , NO, 70°C	782x10 ³
PT570	3 A, 400 VAC, opp. polarity, 70°C, AC3	
PT570	4 A, 250 VAC, opp. polarity, normal/abnormal, 70°C, AC15	
PT570	6 A, 24 VDC, opp. polarity, normal/abnormal, 70°C, DC13	
PT570	1.7 A, 230 VAC, 400 W, opp. polarity, 70°C, AC5b	
PT570	0.3 A, 110 VDC, 33 W, L/R=22 ms, 1440 h ⁻¹ , DF 8%, NO, prot.D.	3.6x10 ⁶
PT570	3 A on /1 A off, 120 VAC, cosφ 0.8on/0.5off, 600h ⁻¹ , DF 15%, NO	423x10 ³



F0191-A











Miniature Relay PT (Continued)

Coil data	
Rated coil voltage range DC coil	6220 VDC
AC coil	6230 VAC
Coil power DC coil	0.75 mW
AC coil	1.0 VA
Operative range DC coil, AC-coil 50Hz	2
AC coil 60 Hz at 70°C, % of Urtd	90110%

Coil versions, DC-coil

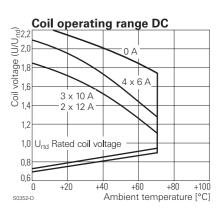
Coil code		Rated	Operate	Release	Coil	Rated coil
STD	LED	voltage	voltage	voltage	resistance	power
	bipolar	VDČ	VDČ	VDČ	Ohm	mW
006	L06	6	4.5	0.6	48±10%	750
012	L12	12	9.0	1.2	192±10%	750
024	L24	24	18.0	2.4	777±10%	741
048	L48	48	36.0	4.8	3072±10%	750
060	L60	60	45.0	6.0	4845±12%	743
110	M10	110	82.5	11.0	16133±15%	750
220	N20	220	165.0	22.0	64533±15%	750

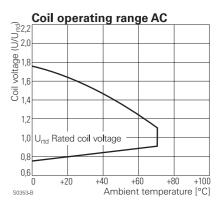
All figures are given for coil without preenergization, at ambient temperature +23°C

Coil versions, AC-coil 50/60 Hz

Coil code		Rated	Operate	Release	Coil	Rated coil
STD	LED	voltage	voltage	voltage	resistance	power
			50/60Hz	50/60Hz		50/60Hz
		VAC	VAC	VAC	Ohm	VA
506	R06	6	4.8/5.4	1.8	11±10%	1.0/0.85
512	R12	12	9.6/10.8	3.6	48±10%	1.0/0.85
524	R24	24	19.2/21.6	7.2	192±10%	1.0/0.79
548	R48	48	38.4/43.2	14.4	777±10%	1.0/0.87
560	R60	60	48.0/54.0	18.0	1306±10%	1.0/0.87
615	S15	115	92.0/103.5	34.5	4845±12%	1.0/0.86
730	T30	230	184.0/207.0	69.0	19465±15%	1.0/0.90

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





Insulation	PT2	PT3	PT5
Dielectric strength coil-contact circuit	2500 V _{rms}	2500 V _{rms}	2500 V _{rms}
open contact circuit	1200 V _{rms}	1200 V _{rms}	1200 V _{rms}
adjacent contact circuits	2500 V _{rms}	2500 V _{rms}	2000 V _{rms}
Clearance / creepage coil-contact circuit	≥ 4/4 mm	≥ 4/4 mm	≥ 4/4 mm
adjacent contact circuits	≥ 3.5/9.5 mm	\geq 2.6/3.5 mm	≥ 1.8/3.5 mm
Material group of insulation parts		≥ Illa	
Insulation to IEC 60664-1			
Type of insulation coil-contact circuit	basic	basic	basic
open contact circuit	functional	functional	functional
adjacent contact circuits	basic	basic	functional
Rated insulation voltage	250 V	250 V	250 V
Pollution degree	2	2	2
Rated voltage system	240/400 V	240 V	240 V
Overvoltage category	Ш	Ш	Ш

Other data	
RoHS - Directive 2002/95/EC	compliant
Ambient temperature range	-40+70°C
Operate- / release time	15/10 ms
Bounce time NO / NC contact	5 ms
Vibration resistance (function) NO / NC contact	7/4 g
Shock resistance (function) NO / NC contact	20/5 g
Category of protection	RTII- flux proof
Mounting distance	0 mm, dense packing
Resistance to soldering heat	270°C / 10s
Relay weight	30 g
Packaging unit	10/250 pcs

Accessories	
For details see datasheet	Accessories Miniature Relay PT

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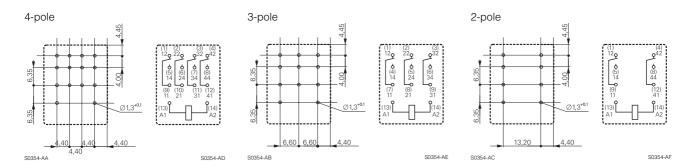
Miniature Relay PT (Continued)

Relay Packages

Complete packages consisting of a relay mounted on a socket see Package PT

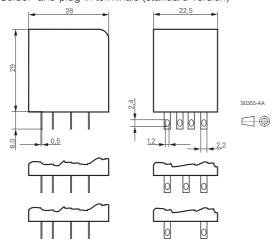
PCB layout / terminal assignment

Bottom view on pins

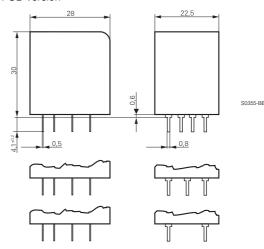


Dimensions









Product key

Type
Contact configuration

- 2 CO contacts
- 3 CO contacts
- 5 4 CO contacts

Contact material

7 AgNi 90/10, with test button*)

8 AgNi 90/10 gold plated, with test button*)

Version **0** standard, 2.8 mm quick connect term.

1 PCB terminals

Coil

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

*) Version with closed cap without test button available on request

Óther types on request

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'Schrack' section.







Miniature Relay PT (Continued)

Product key	Cont. Config.	Cont. material	Version	Coil	Coil	Part number
PT270024	2 CO contacts	AgNi 90/10	AMP 2.8	DC-coil	24 VDC	4-1419111-2
PT270524		test button	connectors	AC-coil	24 VAC	4-1419111-8
PT270615					115 VAC	5-1419111-0
PT270730					230 VAC	5-1419111-1
PT270L24				DC-coil+LED	24 VDC	9-1415001-1
PT270R24				AC-coil+LED	24 VAC	0-1415002-1
PT270S15					115 VAC	2-1415039-1
PT270T30					230 VAC	3-1415002-1
PT271024			PCB terminals	DC-coil	24 VDC	5-1419111-3
PT271524				AC-coil	24 VAC	5-1419111-6
PT271615					115 VAC	4-1419135-0
PT271730					230 VAC	5-1419111-8
PT370024	3 CO contacts	AgNi 90/10	AMP 2.8	DC-coil	24 VDC	6-1419111-1
PT370524		test button	connectors	AC-coil	24 VAC	6-1419111-6
PT370615					115 VAC	6-1419111-8
PT370730					230 VAC	6-1419111-9
PT370L24				DC-coil+LED	24 VDC	5-1415002-1
PT370R24				AC-coil+LED	24 VAC	7-1415002-1
PT370S15					115 VAC	9-1415039-1
PT370T30					230 VAC	9-1415002-1
PT371024			PCB terminals	DC-coil	24 VDC	7-1419111-1
PT371524				AC-coil	24 VAC	7-1419111-3
PT371615					115 VAC	0-1393154-8
PT371730					230 VAC	7-1419111-5
PT570024	4 CO contacts	AgNi 90/10	AMP 2.8	DC-coil	24 VDC	1-1393154-2
PT570524		test button	connectors	AC-coil	24 VAC	8-1419111-7
PT570615					115 VAC	9-1419111-0
PT570730					230 VAC	9-1419111-1
PT570L24				DC-coil+LED	24 VDC	6-1415001-1
PT570R24				AC-coil+LED	24 VAC	7-1415001-1
PT570S15					115 VAC	7-1415003-1
PT570T30					230 VAC	8-1415001-1
PT571024			PCB terminals	DC-coil	24 VDC	9-1419111-3
PT571524				AC-coil	24 VAC	9-1419111-6
PT571615					115 VAC	1-1393154-5
PT571730					230 VAC	9-1419111-8
PT580024		AgNi 90/10	AMP 2.8	DC-coil	24 VDC	1-1393154-7
PT580524		gold plated	connectors	AC-coil	24 VAC	2-1393154-1
PT580730		test button			230 VAC	2-1393154-2
PT580L24				DC-coil+LED	24 VDC	5-1415026-1
PT580R24				AC-coil+LED	24 VAC	6-1415026-1
PT580T30					230 VAC	7-1415026-1
PT581024			PCB terminals	DC-coil	24 VDC	7-1419135-2
PT581730				AC-coil	230 VAC	2-1393154-3



SCHRACK

Miniature Power Relay PTF

- 2 pole 15 A, 2 CO contacts
- **■** DC or AC coil
- Plug-in version, PCB or chassis mount version
- RoHS compliant (Directive 2002/95/EC)

Applications

Panel boards, domestic appliances



F0281-A

Approvals

VDE REG.-Nr. A379, **c %1 us** E58304 Technical data of approved types on request

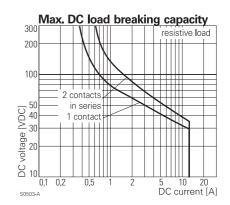
Contact data	
Contact configuration	2 CO contacts
Contact set	single contact
Type of interruption	micro disconnection
Rated current	10 A / 250 VAC
	15 A / 120 VAC
Rated voltage / max.switching voltage AC	240/400 VAC
Maximum breaking capacity AC	2500 VA / 250 VAC
	1800 VA / 120 VAC
Limiting making capacity, max 20 ms	20 A / 250 VAC
	30 A / 120 VAC
Contact material	AgNi90/10
Minimum contact load	5V/100mA
Mechanical endurance DC coil	20x10 ⁶ cycles
AC coil	15x10 ⁶ cycles
Rated frequency of operation with / without load	6/600 min ⁻¹

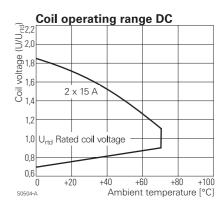
Contact	ratings

Type	Load	Cycles
PTF2	15 A, 120 VAC, NO, DC coil / AC coil	100x10 ³ / 50x10 ³
PTF2	10 A, 250 VAC, NO, DC coil / AC coil	200x10 ³ / 100x10 ³
PTF2	10 A. 24 VDC, NO, DC coil / AC coil	100x10 ³ / 50x10 ³

Coil data		
Rated coil voltage range DC coil	6220 VDC	
AC coil	6230 VAC	
Coil power DC coil	0.75 W	
AC coil	1.0 VA	
Operative range DC coil, AC-coil 50Hz	2	
AC coil 60 Hz at 70°C % of Llas	90 110%	

Coil ver	sions, DC-co	II					
Coil cod	е	Rated	Operate	Release	Coil	Rated coil	
STD	LED	voltage	voltage	voltage	resistance	power	
	bipolar	VDČ	VDC	VDC	Ohm	mW	
006	L06	6	4.5	0.6	48±10%	750	
012	L12	12	9.0	1.2	192±10%	750	
024	L24	24	18.0	2.4	777±10%	741	
048	L48	48	36.0	4.8	3072±10%	750	
060	L60	60	45.0	6.0	4845±12%	743	
110	M10	110	82.5	11.0	16133±15%	750	
220	N20	220	165.0	22.0	64533±15%	750	
All figure	All figures are given for coil without preenergization, at ambient temperature +23°C						





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Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and

processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.



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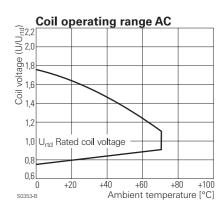
Miniature Power Relay PTF (Continued)

Coil versions, AC-coil 50/60 Hz

Overvoltage category

Coil		Rated	Operate	Release	Coil	Rated coil
code	LED	voltage	voltage	voltage	resistance	power
		_	50/60Hz	50/60Hz		50/60Hz
		VAC	VAC	VAC	Ohm	VA
506	R06	6	4.8/5.4	1.8	11±10%	1.0/0.85
512	R12	12	9.6/10.8	3.6	48±10%	1.0/0.85
524	R24	24	19.2/21.6	7.2	192±10%	1.0/0.79
548	R48	48	38.4/43.2	14.4	777±10%	1.0/0.87
560	R60	60	48.0/54.0	18.0	1306±10%	1.0/0.87
615	S15	115	92.0/103.5	34.5	4845±12%	1.0/0.86
730	T30	230	184.0/207.0	69.0	19465±15%	1.0/0.90

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



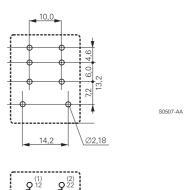
Insulation 2500 V_{rms} Dielectric strength coil-contact circuit open contact circuit $1200\;V_{rms}$ adjacent contact circuits 2500 V_{rms} Clearance / creepage coil-contact circuit ≥ 3.1/3.1 mm adjacent contact circuits ≥ 4.4/8.8 mm Material group of insulation parts ≥ IIIa Insulation to IEC 60664-1 Type of insulation coil-contact circuit basic open contact circuit functional adjacent contact circuits basic Rated insulation voltage 250 V Pollution degree Rated voltage system 240/400 V

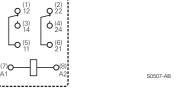
Other data RoHS - Directive 2002/95/EC compliant Ambient temperature range -40...+70°C Operate- / release time 15/10 ms Bounce time NO / NC contact 5 ms 7/4 g Vibration resistance (function) NO / NC contact 20/5 g Shock resistance (function) NO / NC contact RTII - flux proof Category of protection Resistance to soldering heat 270°C / 10 s Relay weight 30 g 20 pcs Packaging unit

Accessories	
For details see datasheet	Accessories Miniature Power Relay PTF

PCB layout / terminal assignment

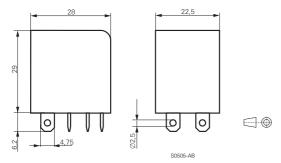
Bottom view on pins



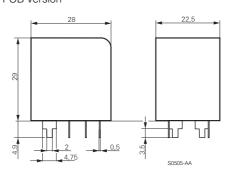


Dimensions

Solder- and plug-in terminals (standard version)



PCB version



Datasheet Rev. EK1 Issued 2005/11 www.tycoelectronics.com www.schrackrelays.com Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and

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processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.

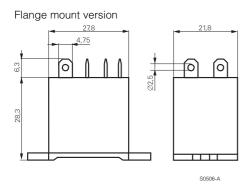


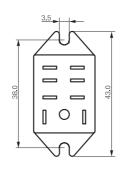


Miniature Power Relay PTF (Continued)

Dimensions

Dona dona A loren







Type Contact material 2 AgNi 90/10 Version 0 Quick connect terminals 1 PCB terminals 2 Flange mount cover Coil Coil code: please refer to coil versions table, preferred types in bold print

Product key	Contacts	Cont. material	Terminal	Coll	Coll	Part number
PTF20024	2 CO	AgNi 90/10	quick connect term.	DC-coil	24 VDC	0-1461937-3
PTF21024	contacts		PCB			1-1461937-0
PTF20524			quick connect term.	AC-coil	24 VAC	0-1461938-3
PTF20615					115 VAC	0-1461938-7
PTF20730					230 VAC	0-1461938-9
PTF21524			PCB		24 VAC	1-1461938-2
PTF21615					115 VAC	1-1461938-6
PTF21730					230 VAC	1-1461938-8
PTF20L24			quick connect term.	DC + LED	24 VDC	0-1461944-3
PTF20R24			,	AC + LED	24 VAC	0-1461945-3
PTF20S15					115 VAC	0-1461945-7
PTF20T30					230 VAC	0-1461945-9
PTF22024			flange mount	DC-coil	24 VDC	0-1721058-3
PTF22524			cover	AC-coil	24 VAC	1-1721058-0
PTF22615					115 VAC	1-1721058-4
PTF22730					230 VAC	1-1721058-6

change.



Multimode Relay MT

- 2/3 pole 10 A, 2 CO or 3 CO contacts
- **■** DC and AC coils
- Mechanical indicator as standard
- **■** Electrical indicator
- New test system with front operated finger protected push-to-test button and integral locking test tab
- **■** White write on panel
- RoHS compliant (Directive 2002/95/EC) as per product date code 0415

Applications

Mechanical engineering, plant control

Approvals

PEG.-Nr. 6182, c Sus E214025

Technical data of approved types on request

Contact data			
Contact configuration		2 CO or 3 CO	
Contact set	single cont.	single cont.	bifurcated
Type of interruption	m	icro disconnectio	on
Rated current	10 A	10 A	4 A
Rated voltage / max.switching voltage AC		240/400 VAC	
Maximum breaking capacity AC	2500 VA	2500 VA	500 VA
Limiting making capacity, max 20 ms	20 A	20 A	8 A
Contact material	AgNi90/10	AgNi90/10	AgNi90/10
		gold plated	gold plated
Minimum contact load	12V/10mA	20mV/1mA	20mV/1mA
Mechanical endurance		20x10 ⁶ cycles	
Rated frequency of operation with / without le	oad	20/100 min ⁻¹	

Contact ratings

Туре	Load	Cycles
MT321	10 A, 250 VAC, CO contact, cosφ=1, 360/h, df 50%, 35°C	2.2x10 ⁵
MT321	I _{on} 50 A, I _{off} 5 A, 3x440 VAC, NO, cosφ=0.3, AC15, normal cond.	6x10 ³
MT321	I _{on} 30 A, I _{off} 3 A, 3x440 VAC, NC, cosφ=0.3, AC15, normal cond.	6x10 ³
MT3	2 A, 125 V, L/R 30 ms, 3 NO contacts in series, 1800/h, DF 10%	1x10 ⁵
MT2	0.7 A, 125 V, L/R 20 ms, 2 NO contacts in series, 1800/h, DF 10%	2x10 ⁵
MT2	1 A, 125 V, L/R 20 ms, 2 NO contacts in series, 1800/h, DF 10%	4x10 ⁴

Coil data		
Rated coil voltage range DC coil	6220 VDC	
AC coil	6230 VAC	
Coil power DC coil	1.2 W	
AC coil	2.3 VA	
Operative range	1	

Coil versions. DC-coil

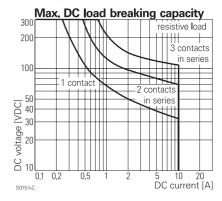
COII VEIS	ions, DC-c	Oli				
Coil code	;	Rated	Operate	Release	Coil	Rated coil
STD	PD*)	voltage	voltage	voltage	resistance	power
		VDČ	VDČ	VDČ	Ohm	· W
006	0A6	6	4.5	0.6	32±10%	1.1
012	0B2	12	9.0	1.2	110±10%	1.3
024	0C4	24	18.0	2.4	475±10%	1.2
048	0E8	48	36.0	4.8	2000±10%	1.2
060	0G0	60	45.0	6.0	2850±10%	1.3
110	1B0	110	82.5	11.5	10000±12%	1.2
220	2C0	220	165.0	22.0	40000±15%	1.2

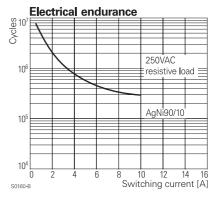
All figures are given for coil without preenergization, at ambient temperature +23°C
*) Protection diode PD; standard polarity: 2-pole relays: +2 / -7, 3-pole relays: +2 / -10

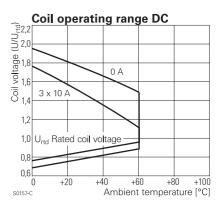


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115

230

115

230

SCHRACK

Multimode Relay MT (Continued)

2000±10%

Coil versions, AC-coil 50/60 Hz Coil Release Rated coil Coil Rated Operate code voltage voltage voltage resistance power 50/60Hz 50/60Hz 50/60Hz VAC VAC VAC Ohm VA 2.29/1.98 2.19/1.86 5.3±10% 24±10% 006 6 4.8 2.4 4.8 012 9.6 024 24 19.2 9.6 86±10% 2.26/1.95 048 48 38.4 19.2 345±10% 2.28/1.97 2.27/1.96 2.37/2.00 48.0 544±10% 060 60 24.0

46.0

2.32/1.96 184.0 92.0 8300±12% All figures are given for coil without preenergization, at ambient temperature +23°C

92.0

~	Coil o	pera	iting	rang	e AC	;	
Coil voltage (U/U _{rd}) 19 19 19 19 19 19 19 19 19 19 19 19 19							
) 2,0 (e							
8,1 gg							
≥ 1,6 ==							
රි _{1,4}	$/\!/$	_	_0'A-				
1,2	-3 x 10 /		$\overline{}$				
1,0	U _{rtd} Rat	ed co	il voltag				-
0,8		_					
0,6	0 +	20	+40	+6	0	+80	+100
S0158-0	:		An	nbient	tempe	eratur	e [°C]

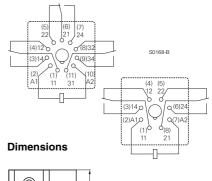
Insulation 2500 V_{rms} Dielectric strength coil-contact circuit open contact circuit $1500 \; V_{rms}$ adjacent contact circuits 2500 V_{rms} Clearance / creepage coil-contact circuit $\geq 2.8/4.0 \text{ mm}$ adjacent contact circuits ≥ 2.8/4.0 mm Material group of insulation parts ≥ IIIa Insulation to IEC 60664-1 Type of insulation coil-contact circuit basic open contact circuit functional adjacent contact circuits basic Rated insulation voltage 250 V Pollution degree Rated voltage system 240/400 V Overvoltage category 111

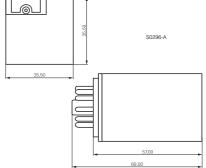
Other data RoHS - Directive 2002/95/EC compliant as per product date code 0415 Ambient temperature range DC coil -40...+60°C <u>-45...+50°</u>C AC coil Operate- / release time 12/5 ms Bounce time NO / NC contact 4 ms Vibration resistance (function) NO / NC contact 5/2 g Shock resistance (function) NO / NC contact 50/10 g RTI - dust protected Category of protection Relay weight 80 g Packaging unit 25 pcs

Accessories	
For details see datasheet	Accessories Multimode Relay MT

Terminal assignment

Bottom view on pins





Product key	M T
Туре	
Contact configuration	
2 2 CO contacts, 8-pin	3 3 CO contacts, 11-pin
Contact material	
2 AgNi 90/10	B AgNi 90/10 bifurcated contacts, gold plated
3 AgNi 90/10, gold plated	
Version	
1 DC with test button	6 AC with test button
3 DC with test button	8 AC with test button
and bipolar LED	and LED
Coil	
Coil code: please refer to coil version	ons table, preferred types in bold print

Other types on request

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Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and

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Electronics

Multimode Relay MT (Continued)

Product key	Contact configuration	Contact material	Version	Coil	_ Part number
MT221012	2 CO contacts	AgNi 90/10	DC	12 VDC	4-1393090-9
MT221024	8-pin	o .	with test button	24 VDC	5-1393090-0
MT221048	'			48 VDC	5-1393090-1
MT221060				60 VDC	5-1393090-2
MT221110				110 VDC	5-1393090-3
MT221220				220 VDC	5-1393090-4
MT223024			DC+LED+test button	24 VDC	5-1393090-7
MT226012			AC	12 VAC	6-1393090-3
MT226024			test button	24 VAC	6-1393090-4
MT226048			1001 0011011	48 VAC	6-1393090-5
MT226115				115 VAC	6-1393090-7
MT226230				230 VAC	6-1393090-8
MT228024			AC+LED	24 VAC	6-1393090-9
MT228115			test button	115 VAC	7-1393090-0
MT228230			tost buttori	230 VAC	7-1393090-1
MT321012	3 CO contacts	AgNi 90/10	DC	12 VDC	6-1393091-8
MT321024	11-pin	Agivi 30/10	with test button	24 VDC	7-1393091-0
MT321048	11-6111		With test button	48 VDC	7-1393091-1
MT321060				60 VDC	7-1393091-2
MT321110				110 VDC	7-1393091-2
MT321710				220 VDC	7-1393091-7
MT323024			DC+LED+test button	24 VDC	8-1393091-4
MT3230C4			DC+LED+lest bullon	24 VDC 24 VDC	7-1393091-9
MT326012			AC AC	12 VAC	9-1393091-6
MT326012			test button	24 VAC	9-1393091-7
MT326048			lest bullon	48 VAC	9-1393091-7
MT326115				115 VAC	0-1393091-8
				230 VAC	
MT326230			AC+LED		0-1393092-2
MT328024				24 VAC	0-1393092-4
MT328115			test button	115 VAC	0-1393092-7
MT328230		A NI 00/40	D0	230 VAC	0-1393092-8
MT331024		AgNi 90/10	DC	24 VDC	1-1393092-1
MT331110		gold plated	with test button	110 VDC	1-1393092-3
MT331220			50 155	220 VDC	1-1393092-5
MT333024			DC+LED+test button	24 VDC	1-1393092-8
MT3330C4			DC+LED+PD+TB	24 VDC	1-1393092-6
MT333110			DC+LED	110 VDC	2-1393092-0
MT333220			test button	220 VDC	2-1393092-2
MT336115			AC	115 VAC	2-1393092-5
MT336230			test button	230 VAC	2-1393092-6
MT338024			AC+LED	24 VAC	2-1393092-7
MT338115			test button	115 VAC	8-1415025-1
MT338230				230 VAC	2-1393092-8

'Schrack' section.



Power Relay RM 2/3/7

- 2/3 pole 10/16 A, 2 CO or 3 CO contacts
- Switching capacity up to 6000 VA
- DC- or AC-coil
- Mechanical indicator
- Push-to-test-button
- Plug-in version, PCB terminals, chassis- or DIN-rail mount
- RoHS compliant (Directive 2002/95/EC) as per product date code 0415

Applications

Elevator control, power supplies



F0163-A

SCHRACK

Approvals

REG.-Nr. 40003144, **c 71 us** E214025 Technical data of approved types on request

Contact data	RM2	RM3	RM7	
Contact configuration	2 CO 3 CO 3			
Contact set	single contact			
Type of interruption	micro disconnection			
Rated current	16 A 10 A 16 .			
Rated voltage / max.switching voltage AC		400/440 VAC		
Maximum breaking capacity AC	6000 VA 3800 VA 6000 VA			
Limiting making capacity, max 20 ms	capacity, max 20 ms 40 A 40 A		40 A	
Contact material	AgNi90/10, AgCdO			
Mechanical endurance	20x10 ⁶ cycles			
Rated frequency of operation with / without lo	ed frequency of operation with / without load 16/100 min ⁻¹			

Contact ratings Cycles Type Load

RM2.	16 A, 415 VAC, UL	100x10 ³
RM20	16 A, 400 VAC, cosφ=1, 35°C, VDE	100x10 ³
RM2.	16 A, 250 VAC, general purpose, UL	30x10 ³
RM20	10 A, 48 VDC, UL	30x10 ³
RM30	10 A, 400 VAC, cosφ=1, 35°C, VDE	100x10 ³
RM3.	10 A, 300 VAC, resistive, UL	100x10 ³
RM3.	10 A, 250 VAC, general purpose, UL	30x10 ³
RM7.	5 A, 400 VAC, resistive, UL	100x10 ³
RM70	16 A, 400 VAC, cosφ=1, 35°C, VDE	100x10 ³
RM7.	10 A, 300 VAC, resistive, UL	100x10 ³

Coil data	RM2	RM3	RM7
Rated coil voltage range DC coil		6220 VDC	
AC coil		6400 VAC	
Coil power DC coil	1.2 W	1.2 W	1.6 W
AC coil	2.3 VA	2.3 VA	2.8 VA
Operative range		1	

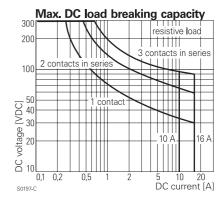
Coll versions, I	JC-coil					
Coil code		Rated	Operate	Release	Coil	Rated coil
STD LED PD*	LED+	voltage	voltage	voltage	resistance	power
bipolar	PD*	VDČ	VDČ	VDČ	Ohm	· W
Coil versions, I	C-coil,	RM2, RM3				
006 L06 0A6	LA6	6	4.5	0.6	32±10%	1.1
012 L12 0B2	LB2	12	9.0	1.2	110±10%	1.3
024 L24 0C4	LC4	24	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

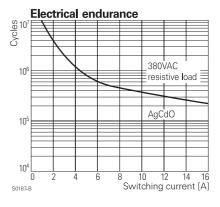
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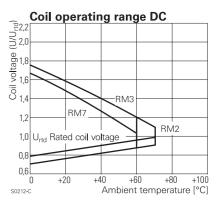
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110 M10 1B0 MB0

221 N21 2C1 NC1

Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

110

220

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and

10000±12%

40000±15%

processing information only to be used together with the 'Definitions' at schrackrelays.com in the

1.2

'Schrack' section.





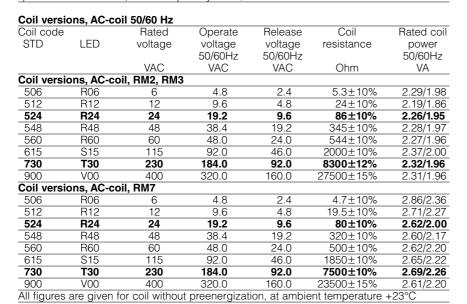
Power Relay RM 2/3/7 (Continued)

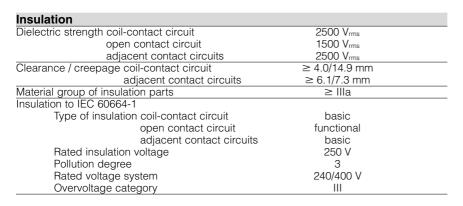
Coil versions, DC-coil, RM7 Rated coil Coil Coil code Rated Operate Release . voltage voltage STD LED PD* LED+ voltage resistance power bipolar PD* VDČ **VDČ** VDČ Ohm W 006 L06 0A6 LA6 0.6 24±10% 1.5 4.5 6 0B2 90 86±10% 012 L12 12 12 1 7 024 L24 0C4 LC4 24 18.0 2.4 345±10% 1.7 048 L48 0E8 48 36.0 4.8 1340±10% L60 0G0 LG0 60 45.0 6.0 2200±10% 060 1.6 110 M10 1B0 82.5 7300±10% 1.7 MB0 110 11.0

221 N21 2C1 NC1 220 165.0 22.0 30000±15% 1.6

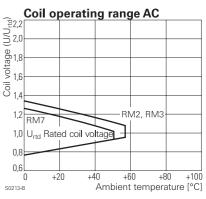
All figures are given for coil without preenergization, at ambient temperature +23°C

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

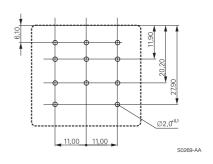




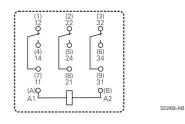
Other data	RM2	RM3	RM7
RoHS - Directive 2002/95/EC	compliant as per product date code 0-		
Ambient temperature range DC coil	-45+70°C	-45+60°C	-45+60°C
AC coil	-45+55°C	-45+55°C	-45+50°C
Operate- / release time		15/10 ms	
Bounce time NO / NC contact		3 ms	
Vibration resistance (function) NO / NC conta		5/2 g	12/4 g
Category of protection	RT	I - dust protect	ed
Resistance to soldering heat	270°C / 10 s		
Relay weight	81 g		
Packaging unit		10/25 pcs	



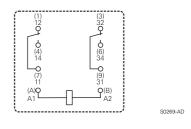
PCB layout / terminal assignmentBottom view on pins



3 CO contacts



2 CO contacts



2

Datasheet Rev. EK1 Issued 2005/11 www.tycoelectronics.com www.schrackrelays.com Dimensions are in mm unless otherwise specified and are shown for reference purposes only.

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.







Power Relay RM 2/3/7 (Continued)

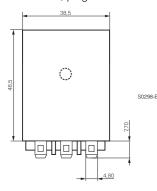
Accessories

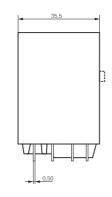
For details see datasheet

Accessories Power Relay RM

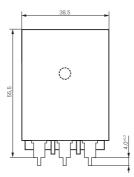
Dimensions

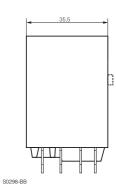
Plain cover, plug-in version



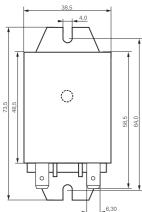


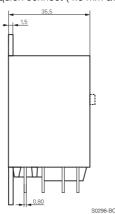




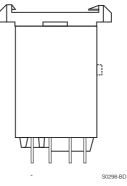


Cover with mounting brackets, 6.3 mm quick connect (4.8 mm available)

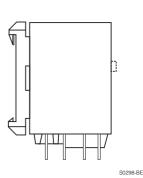




Cover with DIN-snap-on attachement (6.3 mm quick connect only) horizontal vertical



M



Product key

Type
Contact configuration

- 2 2 CO contacts, 16 A
- 3 3 CO contacts, 10 A
- 7 3 CO contacts, 16 A
- AgCdO, without test button AgNi 90/10, without test button
- 3 AgCdO, with test button
- 7 AgNi 90/10, with test button

Enclosure

0

Version

- 2 plain cover, 4.8 mm quick connect terminals
- 3 cover with mounting brackets, 4.8 mm quick connect terminals
- 5 cover with mounting brackets, 6.3 mm quick connect terminals
- 7 PCB version
- 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

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Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.



Electronics

Power Relay RM 2/3/7 (Continued)

RM202524 RM202615 RM202730 RM203024 RM203024 RM203524 RM203615 RM205024 RM205524 RM205524 RM205615 RM205730 RM207024 RM207730 RM207730 RM207730 RM208024 RM208024 RM208730 RM232024 RM232524 RM232524 RM233615 RM233024 RM233024 RM233024 RM235730 RM239730 RM239730 RM302024 RM30524 RM305524 RM305524 RM305524 RM302524 RM302730 RM303024 RM303730 RM303024 RM303730 RM307730 RM335730 RM335730 RM335730 RM335730 RM338730 RM338730 RM338730 RM338730 RM338730 RM338730 RM339730	CO contacts 16 A CO contacts 10 A	without test button with test button without test button	plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm PCB version DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil AC-coil DC-coil AC-coil	24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 24 VDC 24 VDC 24 VDC 215 VAC 230 VAC 24 VDC 24 VDC 24 VDC 250 VAC 26 VDC 27 VDC	8-1393149-2 1-1393146-9 2-1393146-0 1-1393148-4 1-1393148-6 2-1393146-5 2-1393146-6 2-1393146-9 3-1393146-1 3-1393146-1 3-1393146-2 3-1393146-3 8-1393146-3 8-1393146-6 3-1393146-6 3-1393146-6 3-1393146-6 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0 3-1393146-0
RM202615 RM202730 RM203024 RM2030524 RM203615 RM203730 RM205024 RM205524 RM205615 RM207730 RM207024 RM207730 RM209730 RM23024 RM232524 RM233615 RM233024 RM233615 RM233024 RM233615 RM233024 RM233615 RM23730 RM239730 RM303730 RM307024 RM302524 RM3035730 RM302730 RM303730 RM307024 RM303730 RM307730 RM303730 RM303730 RM303730 RM303730 RM307730 RM338730 RM338730 RM339730 RM339730 RM339730 RM307024 RM303615 RM303730 RM307024 RM303730 RM307024 RM303730 RM307024 RM303730 RM307024 RM3035730 RM339730 RM307024 RM305524 RM702524 RM702524 RM702524 RM703615 RM703024 RM703024 RM703024 RM703524 RM703524 RM703524 RM703524 RM705524 RM705524 RM705524 RM705524 RM705524 RM705615	CO contacts	with test button	mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm PCB version DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 115 VAC 230 VAC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 215 VAC 215 VAC 217 VDC 218 VAC 219 VAC 219 VAC 219 VAC 219 VAC 219 VAC 210 VAC	2-1393146-0 1-1393148-4 1-1393148-6 2-1393146-5 2-1393146-6 2-1393146-9 3-1393146-1 3-1393146-1 3-1393146-2 3-1393146-2 3-1393146-3 8-1393146-4 3-1393146-6 3-1393146-6 3-1393146-6 3-1393146-8 3-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-0
RM202730 RM203024 RM203524 RM203615 RM205730 RM205024 RM205524 RM205524 RM207615 RM207730 RM208024 RM208730 RM232024 RM232615 RM233615 RM233615 RM235024 RM235730 RM23615 RM302730 RM302024 RM302524 RM302524 RM302524 RM302524 RM302730 RM302024 RM302524 RM302730 RM302024 RM302524 RM303730 RM307024 RM303730 RM307024 RM303730 RM307024 RM303730 RM307024 RM307730 RM339730 RM339730 RM339730 RM339730 RM339730 RM307024 RM307730 RM307024 RM307730 RM307024 RM30524 RM30524 RM305524 RM30524 RM305524 RM703524 RM705524 RM705524 RM705524 RM705524		test button	quick c. 4.8 mm mounting brackets quick c. 6.3 mm PCB version DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 115 VAC 115 VAC 115 VAC	1-1393148-4 1-1393148-6 2-1393146-6 2-1393146-6 2-1393146-9 3-1393146-0 3-1393146-2 3-1393146-2 3-1393146-3 8-1393146-3 3-1393146-4 3-1393146-6 3-1393146-6 3-1393146-6 3-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-2
RM203024 RM203524 RM203524 RM203615 RM205024 RM205524 RM205615 RM205730 RM207024 RM207730 RM208730 RM208730 RM208730 RM208730 RM208730 RM208730 RM232024 RM232524 RM232615 RM233024 RM235730 RM235730 RM235024 RM303524 RM302524 RM303730 RM30024 RM302524 RM303730 RM30730 RM30730 RM339730 RM307024 RM307730 RM307024 RM307730 RM307024 RM307730 RM307024 RM307730 RM307024 RM3070524 RM702524 RM703524 RM705615		test button	quick c. 4.8 mm mounting brackets quick c. 6.3 mm PCB version DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 115 VAC	1-1393148-6 2-1393146-5 2-1393146-6 2-1393146-9 3-1393146-0 3-1393146-1 3-1393146-2 3-1393146-3 8-1393146-4 3-1393146-5 8-1393146-6 3-1393146-6 3-1393146-9 4-1393146-9 4-1393146-9 4-1393146-2 3-1393146-9 4-1393146-2
RM203524 RM203615 RM203730 RM203730 RM205024 RM205624 RM205615 RM205730 RM207024 RM207615 RM208024 RM208730 RM209730 RM232024 RM232524 RM233615 RM233024 RM235730 RM239730 RM302024 RM303615 RM303730 RM303024 RM303730 RM303024 RM338730 RM705524 RM705524 RM703524 RM703524 RM703524 RM703524 RM705524 RM705524 RM705524 RM705524		test button	quick c. 4.8 mm mounting brackets quick c. 6.3 mm PCB version DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	24 VAC 115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 230 VAC 24 VDC 230 VAC 24 VDC 230 VAC 24 VDC 230 VAC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 210 VAC 24 VDC 24 VDC 210 VAC 210 VAC 210 VAC 220 VAC 230 VAC 24 VDC 24 VDC 24 VDC 210 VAC 210 VAC 210 VAC 210 VAC 220 VAC 221 VDC 221 VDC 221 VDC 222 VDC 223 VAC 224 VDC 224 VDC 225 VAC 227 VDC 227 VDC	2-1393146-5 2-1393146-6 2-1393146-8 2-1393146-0 3-1393146-1 3-1393146-2 3-1393146-3 8-1393146-5 8-1393146-5 8-1393146-6 3-1393146-6 3-1393146-9 4-1393146-9 4-1393146-9 4-1393146-2 3-1393107-4 3-1393107-5 4-1393146-2
RM203615 RM203730 RM205024 RM205524 RM205615 RM205730 RM207024 RM20730 RM20730 RM208730 RM208730 RM232024 RM232524 RM233615 RM233024 RM235730 RM239730 RM239730 RM302024 RM303615 RM303730 RM302024 RM303615 RM303730 RM30730 RM30730 RM30730 RM339730 RM30524 RM702524 RM703524 RM705615		test button	mounting brackets quick c. 6.3 mm PCB version DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 115 VAC 115 VAC 115 VAC	2-1393146-6 2-1393146-8 2-1393146-0 3-1393146-1 3-1393146-1 3-1393146-3 8-1393146-5 3-1393146-5 8-1393146-6 3-1393146-6 3-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM203730 RM205024 RM205524 RM205524 RM20730 RM207024 RM207730 RM207730 RM208024 RM208730 RM232024 RM232524 RM233024 RM233024 RM233024 RM235730 RM235730 RM302024 RM302524 RM302524 RM302524 RM302730 RM302024 RM302730 RM302024 RM302730 RM302024 RM303730 RM303024 RM303730 RM307024 RM303730 RM339730 RM335730 RM35524 RM705524 RM705524 RM705524 RM705524		test button	PCB version DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 230 VAC 24 VDC 230 VAC 24 VDC 230 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 115 VAC 115 VAC 115 VAC	2-1393146-8 2-1393146-9 3-1393146-1 3-1393146-1 3-1393146-2 3-1393146-5 3-1393146-5 3-1393146-6 3-1393146-6 3-1393146-8 3-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9 4-1393146-9
RM205024 RM205524 RM205524 RM205615 RM207730 RM207024 RM208730 RM208024 RM208730 RM232024 RM232524 RM232615 RM233615 RM235730 RM239730 RM302024 RM302524 RM302524 RM302524 RM302524 RM302730 RM30024 RM303730 RM307024 RM303730 RM307024 RM339730 RM339730 RM339730 RM339730 RM39730 RM702024 RM702524 RM702524 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM705524 RM705524 RM705524		test button	PCB version DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 230 VAC 24 VDC 24 VDC 24 VAC 115 VAC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC 24 VDC	2-1393146-9 3-1393146-0 3-1393146-2 3-1393146-3 8-1393146-3 3-1393146-4 3-1393149-6 3-1393146-6 3-1393146-8 3-1393146-9 4-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM205524 RM205615 RM205730 RM207024 RM207730 RM208730 RM208730 RM208730 RM208730 RM208730 RM232024 RM232524 RM232524 RM233024 RM235730 RM235024 RM235730 RM303024 RM302524 RM303615 RM303730 RM307024 RM307730 RM307730 RM307730 RM33730 RM338730 RM705024 RM705524 RM703524 RM703524 RM703524 RM705524 RM705524 RM705615		test button	PCB version DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	24 VAC 115 VAC 230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 230 VAC 230 VAC 24 VDC 24 VDC 24 VAC 115 VAC 24 VDC 24 VAC 115 VAC	3-1393146-0 3-1393146-1 3-1393146-2 3-1393149-5 3-1393146-4 3-1393146-6 3-1393146-6 3-1393146-8 3-1393146-0 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM205615 RM205730 RM207024 RM207024 RM207615 RM208024 RM208730 RM239730 RM232524 RM233615 RM233615 RM235730 RM239730 RM302024 RM303615 RM303615 RM303730 RM303024 RM303615 RM303730 RM303024 RM303730 RM303024 RM303730 RM338730 RM338730 RM338730 RM338730 RM338730 RM338730 RM338730 RM338730 RM338730 RM339730 RM338730 RM705524 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM705615		test button	DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil AC-coil	115 VAC 230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 230 VAC 24 VDC 24 VDC 24 VAC 115 VAC 230 VAC	3-1393146-1 3-1393146-2 3-1393146-3 8-1393146-4 3-1393146-5 8-1393149-6 3-1393146-6 3-1393146-8 3-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM205730 RM207024 RM207015 RM207730 RM207730 RM208730 RM208730 RM208730 RM232024 RM232524 RM233615 RM233024 RM233024 RM235730 RM235730 RM302024 RM302524 RM302524 RM302730 RM302024 RM302730 RM302730 RM303730 RM303730 RM303730 RM303730 RM338730 RM30524 RM705524 RM703524 RM703524 RM703524 RM703524 RM705524 RM705615		test button	DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	AC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	230 VAC 24 VDC 115 VAC 230 VAC 24 VDC 230 VAC 24 VDC 24 VDC 24 VAC 115 VAC 230 VAC 115 VAC 210 VAC 210 VAC 210 VAC 211 VAC 211 VAC 211 VAC	3-1393146-2 3-1393149-5 3-1393146-4 3-1393146-5 8-1393149-6 3-1393146-6 3-1393146-8 3-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM207024 RM207615 RM207730 RM208024 RM208730 RM209730 RM232024 RM232524 RM233615 RM235024 RM235024 RM235024 RM3035730 RM30024 RM3002524 RM303615 RM300730 RM307024 RM303730 RM307024 RM338730 RM339730 RM339730 RM39730 RM307024 RM307730 RM307730 RM307730 RM307730 RM307730 RM307730 RM307730 RM307730 RM307024 RM307730 RM307024 RM307730 RM307024 RM307730 RM307024 RM30705024 RM703524 RM705524 RM705524 RM705524 RM705524 RM705524 RM705524		test button	DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	AC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	24 VDC 115 VAC 230 VAC 24 VDC 230 VAC 230 VAC 24 VDC 24 VAC 115 VAC 24 VDC 115 VAC 210 VAC 210 VAC 210 VAC 210 VAC	3-1393146-3 8-1393149-5 3-1393146-4 3-1393146-5 8-1393149-6 3-1393146-8 3-1393146-9 4-1393146-9 3-1393107-4 3-1393107-5 4-1393146-2
RM207615 RM207730 RM208024 RM208024 RM208730 RM232024 RM232524 RM232524 RM233615 RM235024 RM235730 RM239730 RM302024 RM302524 RM302524 RM302615 RM30024 RM302730 RM30024 RM303730 RM307024 RM303730 RM307024 RM307730 RM33730 RM337730 RM33730 RM33730 RM33730 RM33730 RM33730 RM33730 RM339730 RM339730 RM339730 RM339730 RM339730 RM3070244 RM332524 RM332524 RM332524 RM332524 RM332730 RM33730 RM33730 RM339730 RM339730 RM339730 RM702024 RM702524 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM705524 RM705524 RM705524 RM705524		test button	DIN-snap-on horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	AC-coil DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	115 VAC 230 VAC 24 VDC 230 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC	8-1393149-5 3-1393146-4 3-1393149-6 3-1393149-6 3-1393146-8 3-1393146-9 4-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM207730 RM208024 RM208730 RM209730 RM239730 RM232024 RM232524 RM232615 RM233024 RM233615 RM235024 RM235730 RM239730 RM302024 RM302524 RM303615 RM303730 RM300724 RM303730 RM303024 RM303730 RM332024 RM332524 RM332524 RM332524 RM332524 RM332524 RM332524 RM332730 RM338730 RM338730 RM338730 RM338730 RM339730 RM339730 RM3070224 RM702524 RM702524 RM702524 RM703524 RM705615		test button	horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil AC-coil DC-coil AC-coil DC-coil AC-coil	230 VAC 24 VDC 230 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC	3-1393146-4 3-1393149-6 3-1393146-6 3-1393146-8 3-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM208024 RM208730 RM209730 RM232024 RM232524 RM232524 RM233615 RM233024 RM233615 RM235024 RM239730 RM302024 RM302524 RM302615 RM303730 RM303024 RM303730 RM303024 RM303730 RM332024 RM332524 RM335730 RM338730 RM338730 RM338730 RM338730 RM339730 RM339730 RM702024 RM702524 RM702524 RM703524 RM705615		test button	horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	AC-coil DC-coil AC-coil DC-coil AC-coil	24 VDC 230 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC	3-1393146-5 8-1393149-6 3-1393146-8 3-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM208730 RM209730 RM232024 RM232524 RM232615 RM232730 RM233024 RM233024 RM235730 RM235730 RM302024 RM302524 RM302524 RM302615 RM302730 RM302730 RM303730 RM307730 RM307730 RM332024 RM332524 RM332524 RM335730 RM338730 RM338730 RM339730 RM337730 RM702524 RM702730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703524 RM703524 RM703524 RM703524 RM705524 RM705524 RM705524 RM705524 RM705524		test button	horizontal DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	AC-coil DC-coil AC-coil DC-coil AC-coil	230 VAC 230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC	8-1393149-6 3-1393146-6 3-1393146-8 3-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM209730 RM232024 RM232524 RM232615 RM233024 RM233024 RM2335024 RM235730 RM302524 RM302524 RM302524 RM302615 RM303730 RM30024 RM303615 RM303730 RM307024 RM303730 RM339730 RM339730 RM339730 RM307024 RM307730 RM339730 RM307024 RM307730 RM3070244 RM702524 RM702524 RM702730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703524 RM703524 RM703524 RM705524 RM705524 RM705524		test button	DIN vertical plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	DC-coil AC-coil DC-coil AC-coil	230 VAC 24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC	3-1393146-6 3-1393146-8 3-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM232024 RM232524 RM232524 RM232730 RM233024 RM233615 RM235730 RM235730 RM302024 RM302524 RM302524 RM302615 RM302730 RM30024 RM303730 RM307730 RM307730 RM332024 RM332730 RM339730 RM339730 RM339730 RM37024 RM335730 RM339730 RM37024 RM335730 RM37024 RM335730 RM37024 RM3705024 RM702524 RM702524 RM702524 RM703524 RM703524 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM705524 RM705524 RM705524 RM705524		test button	plain cover quick c. 4.8 mm mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	AC-coil DC-coil AC-coil	24 VDC 24 VAC 115 VAC 230 VAC 24 VDC 115 VAC	3-1393146-8 3-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
RM232524 RM232615 RM232730 RM233024 RM233615 RM235024 RM235730 RM302024 RM302524 RM302615 RM303730 RM303024 RM303730 RM303730 RM303730 RM307730 RM332024 RM332524 RM332524 RM335730 RM338730 RM338730 RM338730 RM339730 RM339730 RM339730 RM339730 RM339730 RM339730 RM339730 RM702524 RM702524 RM703524 RM705615		test button	mounting brackets quick c. 4.8 mm mounting brackets quick c. 6.3 mm	AC-coil DC-coil AC-coil	24 VAC 115 VAC 230 VAC 24 VDC 115 VAC	3-1393146-9 4-1393146-0 3-1393107-4 3-1393107-5 4-1393146-2
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RM232730 RM233024 RM233615 RM235024 RM235730 RM39730 RM302024 RM302524 RM302615 RM303615 RM303730 RM307730 RM337730 RM332024 RM332524 RM332524 RM332524 RM338730 RM338730 RM338730 RM338730 RM338730 RM339730 RM339730 RM702024 RM702524 RM703524 RM705615			quick c. 4.8 mm mounting brackets quick c. 6.3 mm	AC-coil	230 VAC 24 VDC 115 VAC	3-1393107-4 3-1393107-5 4-1393146-2
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RM233615 RM235024 RM235730 RM239730 RM302024 RM302524 RM302615 RM302730 RM30024 RM303730 RM307024 RM330724 RM332730 RM33730 RM33730 RM33730 RM339730 RM339730 RM339730 RM702615 RM702524 RM702524 RM703524 RM705615			quick c. 4.8 mm mounting brackets quick c. 6.3 mm	AC-coil	115 VAC	4-1393146-2
RM235024 RM235730 RM239730 RM302024 RM302524 RM302524 RM302615 RM303730 RM303024 RM303730 RM303730 RM307724 RM307730 RM332024 RM332524 RM332730 RM332524 RM335730 RM338730 RM338730 RM339730 RM702024 RM702524 RM702524 RM703524 RM705615			mounting brackets quick c. 6.3 mm			
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RM302024 RM302524 RM302524 RM302615 RM302730 RM303024 RM303615 RM303730 RM307730 RM332024 RM332524 RM332524 RM332524 RM335730 RM335730 RM335730 RM702024 RM702524 RM702524 RM702524 RM702730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM70375024 RM705524 RM705524 RM705524 RM705524 RM705524				AC-coil	230 VAC	4-1393146-5
RM302524 RM302615 RM302730 RM303024 RM303615 RM303730 RM307024 RM307730 RM332024 RM332524 RM332730 RM335730 RM339730 RM702024 RM702515 RM702730 RM702730 RM702730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM703524 RM703524 RM703524 RM705524 RM705524 RM705524 RM705524			DIN vertical		230 VAC	4-1393148-7
RM302615 RM302730 RM303024 RM303615 RM303730 RM307024 RM307730 RM332024 RM332524 RM332730 RM338730 RM338730 RM339730 RM702524 RM702524 RM702615 RM703524 RM703524 RM703524 RM703524 RM7035024 RM7055024 RM705524 RM705524 RM705524 RM705524 RM705515	10 A	test button	plain cover	DC-coil	24 VDC	8-1393149-9
RM302730 RM303024 RM303615 RM303730 RM307730 RM332024 RM332524 RM332730 RM333024 RM335730 RM338730 RM339730 RM702024 RM702524 RM702615 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM703524 RM705524 RM705524 RM705524 RM705524 RM705524 RM705524			quick c. 4.8 mm	AC-coil	24 VAC	5-1393146-3
RM303024 RM303615 RM303730 RM307024 RM307730 RM332024 RM332524 RM332730 RM333024 RM338730 RM338730 RM702024 RM702524 RM702615 RM703524 RM705615					115 VAC	5-1393146-4
RM303615 RM303730 RM307024 RM307730 RM32024 RM332524 RM332524 RM333730 RM338730 RM338730 RM702024 RM702524 RM702524 RM702615 RM703730 RM703024 RM703615 RM703730 RM703730 RM703730 RM705024 RM705524 RM705524 RM705524 RM705524 RM705615					230 VAC	5-1419150-3
RM303730 RM307024 RM307730 RM33024 RM332024 RM332524 RM3335730 RM338730 RM339730 RM702024 RM702524 RM702524 RM703615 RM703730 RM703730 RM703730 RM703730 RM703730 RM703730 RM7037524 RM703524 RM703524 RM705615			mounting brackets	DC-coil	24 VDC	6-1393148-4
RM307024 RM307730 RM332024 RM332524 RM332730 RM332730 RM338730 RM338730 RM702024 RM702524 RM702524 RM702524 RM703524 RM703524 RM703524 RM703730 RM703730 RM703730 RM703730 RM705024 RM705524 RM705524 RM705524			quick c. 4.8 mm	AC-coil	115 VAC	5-1393146-5
RM307730 RM332024 RM332524 RM332730 RM33024 RM338730 RM339730 RM702024 RM702524 RM702615 RM703730 RM703024 RM703524 RM703524 RM703730 RM703730 RM703730 RM703730 RM705024 RM705524 RM705524 RM705615					230 VAC	5-1393146-7
RM332024 RM332524 RM332524 RM332730 RM333024 RM338730 RM339730 RM702024 RM702524 RM702615 RM703615 RM703730 RM703730 RM703730 RM703730 RM705024 RM705524 RM705524 RM705615			PCB version	DC-coil	24 VDC	7-1393148-2
RM332524 RM332730 RM333024 RM335730 RM335730 RM339730 RM702024 RM702524 RM702615 RM702730 RM703024 RM703524 RM703524 RM703730 RM703730 RM703730 RM705024 RM705524 RM705615				AC-coil	230 VAC	5-1393146-9
RM332730 RM333024 RM335730 RM338730 RM399730 RM702024 RM702524 RM702615 RM702730 RM703024 RM703524 RM703615 RM703730 RM703730 RM703730 RM705024 RM705524 RM705524 RM705615		with	plain cover	DC-coil	24 VDC	9-1393149-2
RM333024 RM335730 RM338730 RM339730 RM702024 RM702524 RM702615 RM702730 RM703024 RM703524 RM703615 RM703730 RM703730 RM705024 RM705524 RM705524		test button	quick c. 4.8 mm	AC-coil	24 VAC	9-1393149-3
RM335730 RM338730 RM339730 RM702024 RM702524 RM702615 RM702730 RM703024 RM703524 RM703615 RM703730 RM703730 RM705024 RM705524 RM705524					230 VAC	9-1393149-4
RM338730 RM339730 RM702024 RM702524 RM702615 RM702730 RM703024 RM703524 RM703615 RM703730 RM705024 RM705524 RM705524 RM705615			mount. br. q.c.4.8	DC-coil	24 VDC	9-1393149-6
RM339730 RM702024 3 (RM702524 RM702615 RM702730 RM703024 RM703524 RM703615 RM703730 RM705024 RM705524 RM705615			mount. br. q.c.6.3	AC-coil	230 VAC	6-1393107-1
RM702024 3 0 RM702524 RM702615 RM702730 RM703024 RM703524 RM703615 RM703730 RM705024 RM705524 RM705615			DIN horizontal		230 VAC	7-1393148-7
RM702524 RM702615 RM702730 RM703024 RM703524 RM703615 RM703730 RM705024 RM705524 RM705615			DIN vertical		230 VAC	6-1393107-2
RM702615 RM702730 RM703024 RM703524 RM703615 RM703730 RM705024 RM705524 RM705615	CO contacts	without	plain cover	DC-coil	24 VDC	8-1393146-5
RM702730 RM703024 RM703524 RM703615 RM703730 RM705024 RM705524 RM705615	16 A	test button	quick c. 4.8 mm	AC-coil	24 VAC	0-1393844-9
RM703024 RM703524 RM703615 RM703730 RM705024 RM705524 RM705615					115 VAC	1-1393844-0
RM703524 RM703615 RM703730 RM705024 RM705524 RM705615					230 VAC	1-1393844-1
RM703615 RM703730 RM705024 RM705524 RM705615			mounting brackets	DC-coil	24 VDC	1-1393844-2
RM703730 RM705024 RM705524 RM705615			quick c. 4.8 mm	AC-coil	24 VAC	9-1393146-1
RM705024 RM705524 RM705615					115 VAC	9-1393146-2
RM705524 RM705615					230 VAC	9-1393146-4
RM705615			mounting brackets	DC-coil	24 VDC	9-1393146-6
			quick c. 6.3 mm	AC-coil	24 VAC	9-1393146-7
RM705730					115 VAC	1-1393844-4
					230 VAC	1-1393844-5
RM707024			PCB version	DC-coil	24 VDC	9-1393146-8
RM707524				AC-coil	24 VAC	0-1393147-1
RM707730					230 VAC	0-1393147-2
RM708024			DIN horizontal	DC-coil	24 VDC	0-1393147-4
RM708730			guick c. 6.3 mm	AC-coil	230 VAC	1-1419136-0
RM709024			DIN vertical	DC-coil	24 VDC	2-1393149-2
RM709730				AC-coil	230 VAC	0-1393147-5
RM732024		with	plain cover	DC-coil	24 VDC	1-1393844-7
RM732524		test button	quick c. 4.8 mm	AC-coil	24 VAC	1-1393147-0
RM732615					115 VAC	1-1393147-1
RM732730					230 VAC	1-1393844-8
RM733730			mount.br. q.c. 4.8		230 VAC	1-1393147-5
RM735024			mounting brackets	DC-coil	24 VDC	3-1393149-6
RM735524			quick c. 6.3 mm	AC-coil	24 VAC	3-1393149-7
RM735730			2,5::5::5::5::5::5::5::5::5::5::5::5::5::		230 VAC	4-1393149-1
RM737730			PCB version		230 VAC	2-1393147-0
RM738024			DIN-snap-on	DC-coil	24 VDC	2-1393844-0
RM738730			horizontal	AC-coil	230 VAC	2-1393147-2
RM739024			DIN-snap-on	DC-coil	24 VDC	4-1393149-5
RM739730			טווא-פוומט-טוו	AC-coil	230 VAC	2-1393844-2

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Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the

 $\hbox{`Schrack' section}.$



Power Relay RM 5/6 3 mm

- 2/3 pole 10/16 A, 2 NO or 3 NO contacts
- 3 mm contact gap
- DC- or AC coil
- Push-to-test-button
- Plug-in version, PCB terminals, chassis- or DIN-rail mount
- RoHS compliant (Directive 2002/95/EC) as per product date code 0415

Applications

Power supplies, pump control



S0198-C

F0164-A

DC current [A]

SCHRACK

Approvals

REG.-Nr. 40003144, c Tus E214025
Technical data of approved types on request

Contact data	RM5	RM6		
Contact configuration	2 NO	3 NO		
Contact set	single contact			
Type of interruption	full disco	onnection		
Rated current	16 A	10 A		
Rated voltage / max.switching voltage AC	400/440 VAC	230/400 VAC		
Maximum breaking capacity AC	6000 VA	3800 VA		
Limiting making capacity, max 20 ms	25 A	25 A		
Contact material	AgNi90/10, AgCdO			
Contact gap	gap 3 mm			
Mechanical endurance		cycles		
Rated frequency of operation with / without load	16/100) min ⁻¹		

Contact	ratings
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Contac	t latiligs	
Туре	Load	Cycles
RM5.	16 A, 415 VAC, UL	100x10 ³
RM50	16 A, 230/400 VAC, cosφ=1, 35°C, VDE	100x10 ³
RM5.	16 A, 250 VAC, general purpose, UL	30x10 ³
RM50	10 A, 48 VDC, 70°C, VDE, ÜL	30x10 ³
RM6.	5 A, 400 VAC, resistive, UL	100x10 ³
RM60	10 A, 230/400 VAC, cosφ=1, 35°C, VDE	100x10 ³
RM6.	10 A, 300 VAC, resistive, UL	100x10 ³
RM6.	10 A, 250 VAC, general purpose, UL	30x10 ³

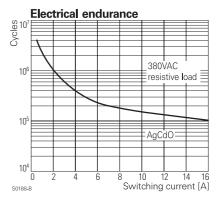
Coil data	
Rated coil voltage range DC coil	6220 VDC
AC coil	6400 VAC
Coil power DC coil	1.6 W
AC coil	2.8 VA
Operative range	1

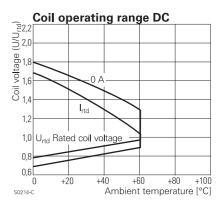
Coil versions, DC-coil

COII	versio	ms, D	C-COII					
Coi	l code			Rated	Operate	Release	Coil	Rated coil
STE) LED	PD*	LED+	voltage	voltage	voltage	resistance	power
	bipolar		PD*	VDČ	VDC	VDC	Ohm	W
006	L06	0A6	LA6	6	4.5	0.6	24±10%	1.5
012	L12	0B2	LB2	12	9.0	1.2	86±10%	1.7
024	L24	0C4	LC4	24	18.0	2.4	345±10%	1.7
048	L48	0E8	LE8	48	36.0	4.8	1340±10%	1.7
060	L60	0G0	LG0	60	45.0	6.0	2200±10%	1.6
110	M10	1B0	MB0	110	82.5	11.0	7300±10%	1.7
221	N21	2C1	NC1	220	165.0	22.0	30000±15%	1.6

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
300
200
2 contacts in series
100
100
1 contact
1 contact
10 A 16 A
10 A 16 A
10 A 16 A





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Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.





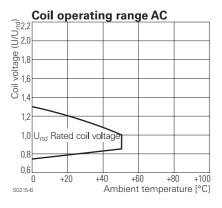


Power Relay RM 5/6 3 mm (Continued)

Coil versions, AC-coil 50/60 Hz

Coil code		Rated	Operate	Release	Coil	Rated coil
STD	LED	voltage	voltage	voltage	resistance	power
			50/60Hz	50/60Hz		50/60Hz
		VAC	VAC	VAC	Ohm	VA
506	R06	6	4.8	2.4	4.7±10%	2.86/2.36
512	R12	12	9.6	4.8	19.5±10%	2.71/2.27
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

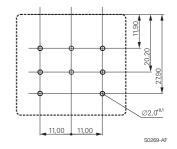
All figures are given for coil without preenergization, at ambient temperature +23°C



Insulation		
Dielectric strength coil-contact circuit	2500 V _{rms}	
open contact circuit	2500 V _{rms}	
adjacent contact circuits	2500 V _{rms}	
Clearance / creepage coil-contact circuit	≥ 4/14.9 mm	
adjacent contact circuits	\geq 6.1/7.3 mm	
Material group of insulation parts	≥ IIIa	
Insulation to IEC 60664-1		
Type of insulation coil-contact circuit	basic	
open contact circuit	basic	
adjacent contact circuits	basic	
Rated insulation voltage	250 / 400 V ¹⁾	

Pollution degree 3 240/400 V Rated voltage system Overvoltage category Ш

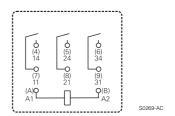
PCB layout / terminal assignment Bottom view on pins



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+50°C
Operate- / release time	15/10 ms
Bounce time NO / NC contact	4 ms
Vibration resistance (function) NO / NC contact	ct 12 g, 30150 Hz
Category of protection	RTI - dust protected
Mounting position	versions with test button not to be
	mounted with button on top
Resistance to soldering heat	270°C / 10 s
Relay weight	81 g
Packaging unit	10/25 pcs
· · · · · · · · · · · · · · · · · · ·	

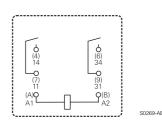
3 NO contacts



Accessories

For details see datasheet Accessories Power Relay RM

2 NO contacts



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Dimensions are in mm unless otherwise specified and are shown for reference purposes only

Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and

processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.

¹⁾ in combination with socket RM 78704 or isolated quick connects

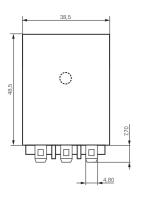


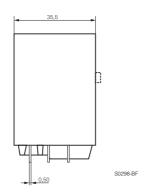


Power Relay RM 5/6 3 mm (Continued)

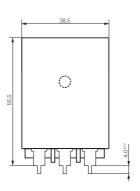
Dimensions

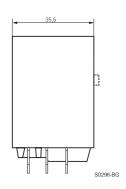
Plain cover, plug-in version



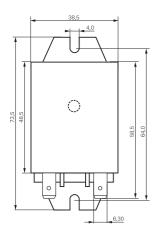


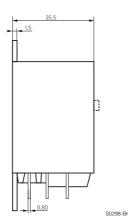




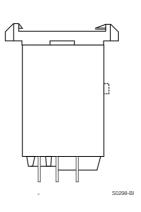


Cover with mounting brackets, 6.3 mm quick connect (4.8 mm available)

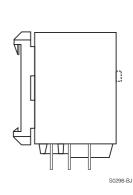




Cover with DIN-snap-on attachement (6.3 mm quick connect only) horizontal vertical



 $R \mid M$



Product key

Type
Contact configuration

5 2 NO contacts, 16 A

6 3 NO contacts, 10 A

Version

- 0 AgCdO, without test button, without mechanical indicator
- 2 AgNi 90/10, without test button, without mechanical indicator
- 3 AgCdO, with test button, without mechanical indicator
- 7 AgNi 90/10, with test button, without mechanical indicator

Enclosure

- 2 plain cover, 4.8 mm quick connect terminals
- 3 cover with mounting brackets, 4.8 mm quick connect terminals
- 5 cover with mounting brackets, 6.3 mm quick connect terminals
- 7 PCB version
- 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

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Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the

'Schrack' section.







Power Relay RM 5/6 3 mm (Continued)

Product key	Contacts	Version	Enclosure	Coil	Coil	Part number
RM502024	2 NO contacts	without	plain cover	DC-coil	24 VDC	6-1393146-1
RM502524	16 A	test button	quick c. 4.8 mm	AC-coil	24 VAC	6-1393146-2
RM502615		without	'		115 VAC	6-1393146-3
RM502730		mech.indicator			230 VAC	6-1393146-4
RM503024			mounting brackets	DC-coil	24 VDC	8-1393148-0
RM503615			quick c. 4.8 mm	AC-coil	115 VAC	6-1393146-5
RM505024			mounting brackets	DC-coil	24 VDC	8-1393148-3
RM505615			quick c. 6.3 mm	AC-coil	115 VAC	6-1393146-6
RM505730			·		230 VAC	9-1393149-9
RM507024			PCB version	DC-coil	24 VDC	0-1393844-1
RM507524				AC-coil	24 VAC	5-1415008-1
RM507615					115 VAC	6-1415015-1
RM507730					230 VAC	0-1415008-1
RM535024		with test button	mounting brackets	DC-coil	24 VDC	7-1393146-2
RM535524		w/o mech.indicator	quick c. 6.3 mm	AC-coil	24 VAC	9-1393148-0
RM602024	3 NO contacts	without	plain cover	DC-coil	24 VDC	0-1393844-4
RM602615	10 A	test button	quick c. 4.8 mm	AC-coil	115 VAC	9-1393148-7
RM605730		without	mount.br. q.c.6.3		230 VAC	7-1393146-6
RM607024		mechanical ind.	PCB version	DC-coil	24 VDC	0-1393844-6
RM607524				AC-coil	24 VAC	7-1393146-8
RM607615					115 VAC	8-1415015-1
RM607730					230 VAC	7-1393146-9
RM632024		with	plain cover	DC-coil	24 VDC	8-1393146-0
RM632730		test button	quick c. 4.8 mm	AC-coil	230 VAC	0-1393149-7
RM635024		without	mount.br. q.c.6.3	DC-coil	24 VDC	7-1393107-7
RM637024		mech.indicator	PCB version		24 VDC	0-1393149-9



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

SCHRACK

Approvals

REG.-Nr. 40003144, **c 71 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

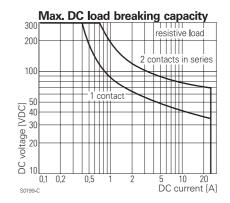
Contac		
Type	Load	Cycles
RM80	25 A, 415 VAC, UL	10x10 ³
RM80	25 A, 250 VAC, cosφ=1, 35°C, VDE	10x10 ³
RM80	25 A, 240 VAC, 1-phase, per pole, general purpose, UL	6x10 ³

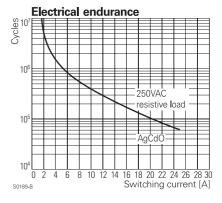
Coil data	
Rated coil voltage range DC coil	6220 VDC
AC coil	6400 VAC
Coil power DC coil	1.2 W
AC coil	2.8 VA

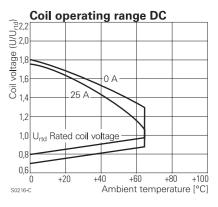
Coil versions, DC-coil

Coil	code		Rated	Operate	Release	Coil	Rated coil
STD	LED PD	* LED+	voltage	voltage	voltage	resistance	power
b	oipolar	PD*	VDC	VDČ	VDC	Ohm	W
006	L06 0A	3 LA6	6	4.5	0.6	32±10%	1.1
012	L12 0B	2 LB2	12	9.0	1.2	110±10%	1.3
024	L24 0C	4 LC4	24	18.0	2.4	475±10%	1.2
048	L48 0E8	3 LE8	48	36.0	4.8	2000±10%	1.2
060	L60 0G	0 LG0	60	45.0	6.0	2850±10%	1.3
110	M10 1B	O MBO	110	82.5	11.0	10000±12%	1.2
221	N21 2C	1 NC1	220	165.0	22.0	40000±15%	1.2
All fio	uroc ara	aivon for	coil without n	rooporgization	at ambior	at tomporaturo	23∘€

All figures are given for coil without preenergization, at ambient temperature +23°C *) Protection diode PD; standard polarity: +A1 / -A2







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Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.





Power Relay RM 8 (Continued)

Coil versions, AC-coil 50/60 Hz

Coil code		Rated	Operate	Release	Coil	Rated coil
STD	LED	voltage	voltage	voltage	resistance	power
			50/60Hz	50/60Hz		50/60Hz
		VAC	VAC	VAC	Ohm	VA
506	R06	6	4.8	2.4	4.7±10%	2.86/2.36
512	R12	12	9.6	4.8	19.5±10%	2.71/2.27
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
Λ II f:	:	face and coddless at		والمامورة فأوا مروا		. 0000

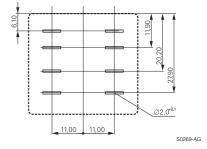
All figures are given for coil without preenergization, at ambient temperature +23°C

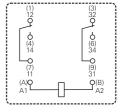
Insulation		
Dielectric strength coil-contact circuit	2500 V _{rms}	
open contact circuit	1500 V _{rms}	
adjacent contact circuits	4000 V _{rms}	
Clearance / creepage coil-contact circuit	≥ 4/14.9 mm	
adjacent contact circuits	≥ 15.3/15.3 mm	
Material group of insulation parts	≥ IIIa	
Insulation to IEC 60664-1		
Type of insulation coil-contact circuit	basic	
open contact circuit	functional	
adjacent contact circuits	basic	
Rated insulation voltage	250 V	
Pollution degree	3	
Rated voltage system	240/400 V	
Overvoltage category	III	

Terminal assignment

Bottom view on pins

Other data	
RoHS - Directive 2002/95/EC	compliant as per product date code 0415
Ambient temperature range DC coil	-45+65°C
AC coil	-45+40°C
Operate- / release time	15/15 ms
Bounce time NO / NC contact	3 ms
Vibration resistance (function) NO / NC conta	ct 10/5 g, 30150 Hz
Category of protection	RTI - dust protected
Relay weight	81 g
Packaging unit	10/25 pcs





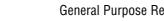
S0269-AD

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Product specification according to IEC 61810-1. Product data, technical parameters, test conditions and

processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.



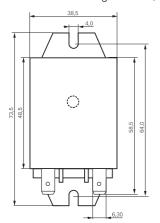


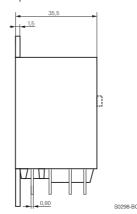
SCHRACK

Power Relay RM 8 (Continued)

Dimensions

Cover with mounting brackets, 6.3 mm quick connect terminals





horizontal vertical

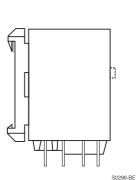
S0298-BD

8

R

M

Cover with DIN-snap-on attachement



Product key

Туре Contact configuration

2 CO contacts, 25 A

Version

- AgCdO, without test button AgNi 90/10, without test button 0 2
- AgCdO, with test button 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
 - 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	without	mounting brackets	DC-coil	24 VDC	2-1393844-7
RM805524	25 A	test button	quick c. 6.3 mm	AC-coil	24 VAC	2-1393147-9
RM805615			·		115 VAC	3-1393147-1
RM805730					230 VAC	3-1393147-3
RM808024			DIN-snap-on	DC-coil	24 VDC	2-1393844-9
RM808524			horizontal	AC-coil	24 VAC	3-1393147-7
RM808730					230 VAC	5-1393149-7
RM809024			DIN-snap-on	DC-coil	24 VDC	5-1393149-8
RM809615			vertical	AC-coil	115 VAC	3-1393147-8
RM809730					230 VAC	3-1393147-9
RM835024		with	mounting brackets	DC-coil	24 VDC	4-1393147-1
RM835524		test button	quick c. 6.3 mm	AC-coil	24 VAC	4-1393147-3
RM835615			'		115 VAC	4-1393147-4
RM835730					230 VAC	4-1393147-6
RM838024			DIN-snap-on	DC-coil	24 VDC	4-1393147-8
RM838524			horizontal	AC-coil	24 VAC	5-1393147-0
RM838730					230 VAC	5-1393147-1
RM839024			DIN-snap-on	DC-coil	24 VDC	5-1393147-4
RM839524			vertical	AC-coil	24 VAC	5-1393147-5
RM839730					230 VAC	5-1393147-6

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processing information only to be used together with the 'Definitions' at schrackrelays.com in the 'Schrack' section.



SCHRACK

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

Technical data of approved types on request

Contact data	RMC	RMD
Contact configuration	1 NO and 1 NC	1 NO
Contact set	single bridgir	ng contact
Type of interruption	micro disco	nnection
Rated current	30 /	
Rated voltage / max.switching voltage AC	400/440	VAC
Maximum breaking capacity AC	7500	VA
Limiting making capacity, max 20 ms	60 /	4
Contact material	AgNi90/10,	
Mechanical endurance	10x10 ⁶ d	
Rated frequency of operation with / without load	16/100	min ⁻¹

Contact ratings

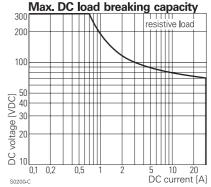
Type	Load	Cycles
RMC/D	30 A, 415 VAC, UL	10x10 ³
RMC/D	30 A, 250 VAC, general purpose, UL	6x10 ³

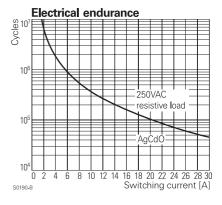
Coil data	
Rated coil voltage range DC coil	6220 VDC
AC coil	6400 VAC
Coil power DC coil	1.2 W
AC coil	2.8 VA
Operative range	1

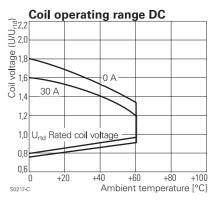
Coil versions, DC-coil

Con versions, D	C-COII					
Coil code		Rated	Operate	Release	Coil	Rated coil
STD LED PD*	LED+	voltage	voltage	voltage	resistance	power
bipolar	PD*	VDC	VDC	VDC	Ohm	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

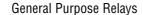






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Power Relay RM C/D (Continued)

Coil versions, AC-coil 50/60 Hz

Coil code		Rated	Operate	Release	Coil	Rated coil
STD	LED	voltage	voltage	voltage	resistance	power
			50/60Hz	50/60Hz		50/60Hz
		VAC	VAC	VAC	Ohm	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

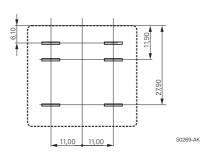
All figures are given for coil without preenergization, at ambient temperature +23°C

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	≥ Illa
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

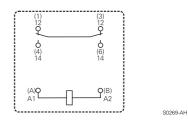
Other data

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	et 10/5 g, 30150 Hz
Category of protection	RTI - dust protected
Relay weight	81 g
Packaging unit	10 pcs

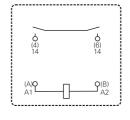
Terminal assignmentBottom view on pins



1 NO and 1 NC contact, RMC



1 NO contact, RMD



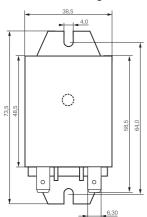


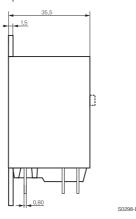


Power Relay RM C/D (Continued)

Dimensions

Cover with mounting brackets, 6.3 mm quick connect terminals





Product key		R M	5	
Туре				
Contact configuration				
C 1 NO contact and 1 NC contact, 30 A				
D 1 NO contact, 30 A				
Version				
O AgCdO, without test button	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 q	uick 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

'Schrack' section.