

Print Relays Schrack, Series RP



RP11/2



RP11/2



Vertical



Horizontal

Schrack-Info

RP11/1

- 1 pole 8/16 A
- 1 CO
- Pinning 3.5 mm (8 A) or 5 mm (16 A)
- For mains adaptors, household appliances, heating controls, cabling and wiring installations

RP11/2

- 2 poles 8 A
- 1 CO
- Pinning 5 mm
- For UPS, household appliances

RP Power PCB Relay Cards E

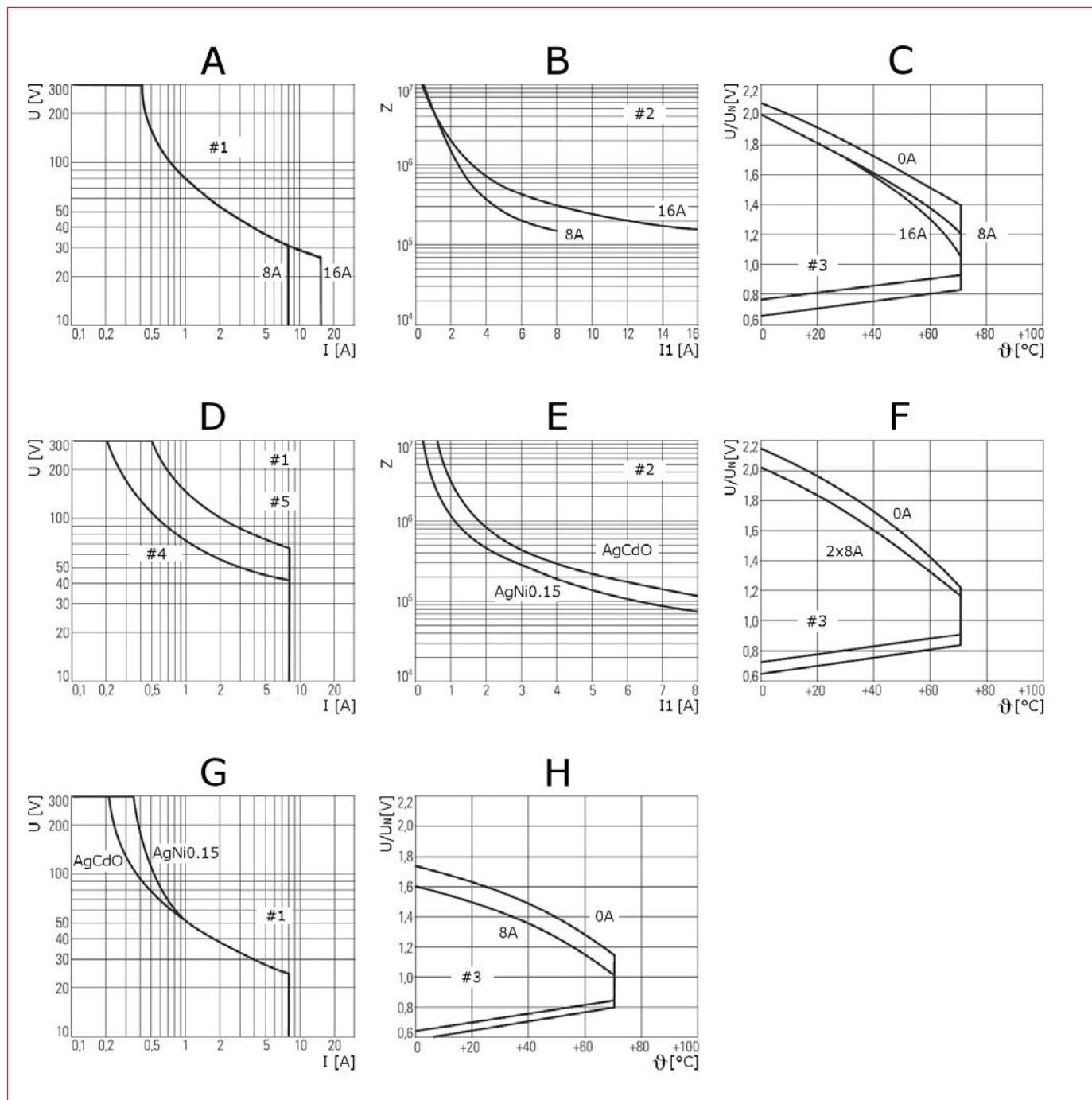
- Horizontal or vertical design
- 1 pole 8 A
- 1 CO
- Wash proof
- For I/O modules, heating controls, time switches

RP Overview

Relais	Number of CO contacts	Rated current [A]	Coil		Pinning [mm]	Contact material	RP11/1	RP11/2	RP Relay Cards E	RP Relay Cards E
			DC	V					Vertical	Horizontal
RP310012-A	1	16	DC	12 V	5	AgCdO	X			
RP310024-A	1	16	DC	24 V	5	AgCdO	X			
RP418024-A	1	8	DC	24 V	3.5	AgCdO	X			
RP710024-A	1	16	DC	24 V	5	AgCdO	X			
RP420012-B	2	8	DC	12 V	5	AgCdO		X		
RP420024-B	2	8	DC	24 V	5	AgCdO		X		
RP420524-B	2	8	AC	24 V	5	AgCdO		X		
RP420730-B	2	8	AC	230 V	5	AgCdO		X		
RP421024-B	2	8	DC	24 V	5	AgNi0.15		X		
RP421048-B	2	8	DC	48 V	5	AgNi0.15		X		
RP421730-B	2	8	AC	230 V	5	AgNi0.15		X		
RP820024-A	2	8	DC	24 V	5	AgCdO		X		
RP510012-E	1	8	DC	12 V	2.5	AgCdO			X	
RP510024-E	1	8	DC	24 V	2.5	AgCdO			X	
RP610012-E	1	8	DC	12 V	2.5	AgCdO			X	
RP611024-E	1	8	DC	24 V	2.5	AgNi0.15			X	

Print Relays Schrack, Series RP

Rated Breaking Capacity, Electrical Service Life & Coil Operating Voltage Range



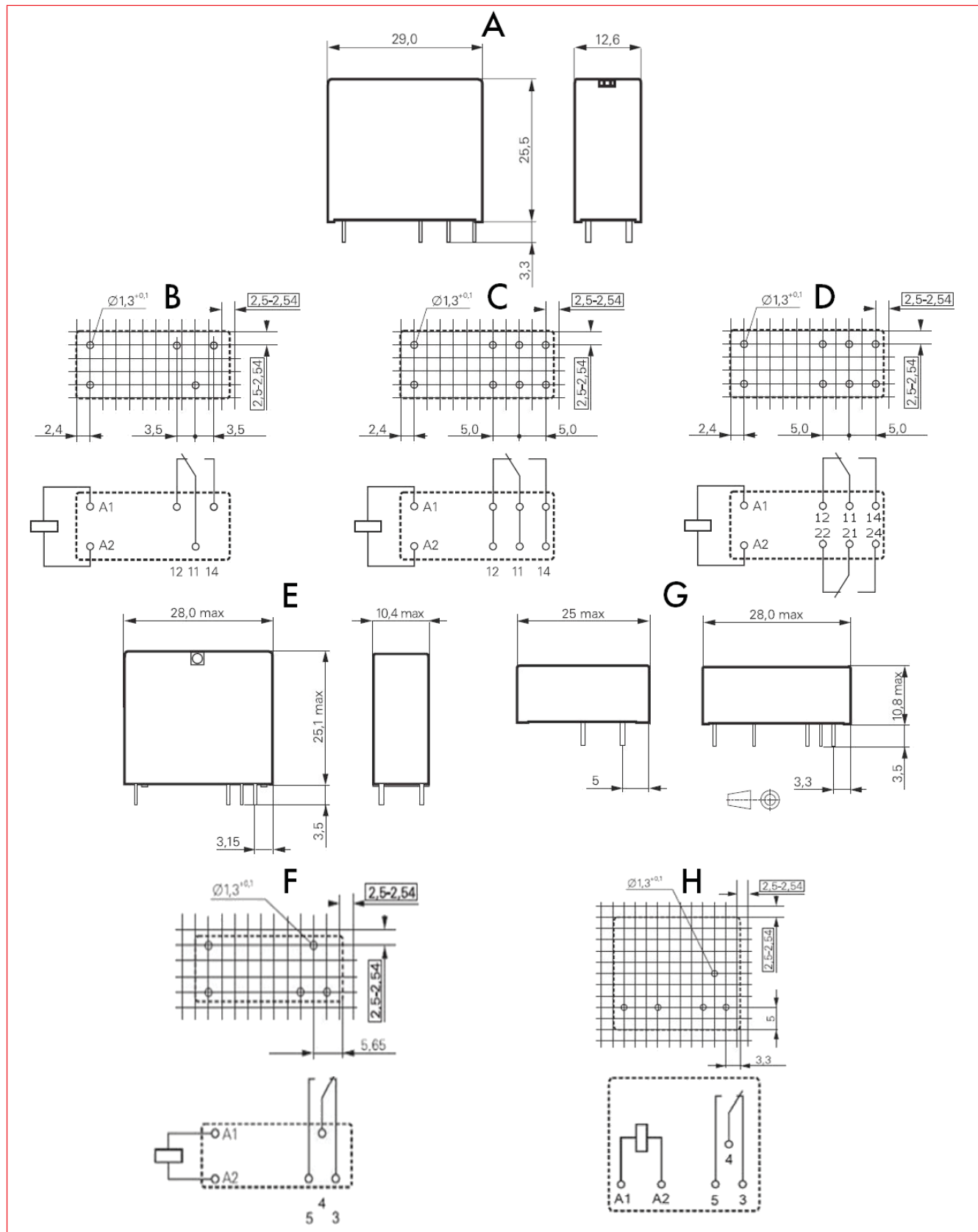
Dimensions & Circuit Diagrams

A	RPII/1 + 2
B	RPII/1, 8 A, 3.5 mm Pinning, 1 CO
C	RPII/1, 16 A, 5 mm Pinning, 1 CO
D	RPII/2, 8 A, 5 mm Pinning, 2 CO

E	RP PCB Vertical
F	8 A, 2.5 mm Pinning, 1 CO, vertical
G	RP PCB Horizontal
H	8 A, 2.5 mm Pinning, 1 CO, horizontal

Print Relays Schrack, Series RP

Dimensions (mm) & Circuit Diagrams



Print Relays Schrack, Series RP

Rated Breaking Capacity, Electrical Service Life & Coil Operating Voltage Range

A	RPII/1 Max. DC rated breaking capacity	#2	250 V AC Resistive load
B	RPII/1 Electrical endurance	#3	U_N Nominal coil voltage
C	RPII/1 Coil operating range DC	#4	1 contact
D	RPII/2 Max. DC rated breaking capacity	#5	2 contacts in series
E	RPII/2 Electrical endurance	I	DC current in [A]
F	RPII/2 Coil operating range DC	I1	Switching current in [A]
G	RP Power PCB relay card E (horizontal/ vertikal) Max. DC rated breaking capacity	U	DC voltage in [V]
H	RP Power PCB relay card E (horizontal/ vertikal) Coil operating range DC	U/U_N	Coil voltage in [V]
#1	Resistive load	Z	Cycles
		θ	Ambient temperature in [°C]

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Technical Data

		RPII/1	
		8 A	16 A
CONTACT DATA			
Number of contacts and type		1 CO	
Rated current		8 A	16 A
Rated voltage/ max. switching voltage AC		250 / 400 V	
Limiting making current		16 A	25 A
Max. rated breaking capacity AC		2000 VA	4000 VA
Contact material		AgNi0.15	AgCdO
Frequency of operation		600 h ⁻¹ 72000 h ⁻¹	
		With Load Without Load	
Operate/ release time max.		8 / 2 m	
Bounce time		2 / 4 m	
COIL DATA			
Operative range, IEC 61810		2	
INSULATION DATA			
Initial dielectric strength		1000 V _{rms} 4000 V _{rms}	
		Open contacts Contact and coil	
Clearance/ creepage		≥ 8 / 8 mm	
Ambient temperature		-40...+70 °C	

		RPII/2	
		8 A	
CONTACT DATA			
Number of contacts and type		2 CO contacts	
Rated current		8 A (UL: 10 A)	
Rated voltage/ max. switching voltage AC		250 / 400V	
Limiting making current, max. 4 s, duty factor 10 %		14 A	
Max. rated breaking capacity AC		2000 V	
Contact material		AgCdO, AgNi0.1	
Frequency of operation		600 h ⁻¹ 72000 h ⁻¹	
		With Load Without Load	
Operate/ release time max.		9 / 3 m	
Bounce time		2 / 3 m	
COIL DATA			
Operative range, IEC 61810		2	
INSULATION DATA			
Initial dielectric strength		1000 V _{rms} 4000 V _{rms} 2500 V _{rms}	
		Open contacts Contact and coil Adjacent contacts	
Clearance/ creepage		≥ 8 / 8 mm	
Ambient temperature		-40...+70 °C	

		RP Power PCB relay card E	
		8 A, wash tight	
CONTACT DATA			
Number of contacts and type		1 CO	
Rated current		8 A	
Rated voltage/ max. switching voltage AC		250 / 400 V	
Limiting making current, max. 4 s, duty factor 10 %		15 A	
Max. rated breaking capacity AC		2000 V	
Contact material		AgCdO, AgNi0.1	
Frequency of operation		360 h ⁻¹ 72000 h ⁻¹	
		With Load Without Load	
Operate/ release time max.		7 / 3 m	
Bounce time		0.5 / 3 m	
INSULATION DATA			
Initial dielectric strength		1000 V _{rms} 4000 V _{rms}	
		Open contacts Contact and coil	
Clearance/ creepage		≥ 4 / 4 mm	
Ambient temperature		-40...+70 °C	

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DESCRIPTION	AVAILABLE	ORDER NO.
RP11/1		
12V-DC, 1 CO, 16A		RP310012-A
24V-DC, 1 CO, 16A		RP310024-A
24V-DC, 1 CO, 12A		RP418024-A
RP11/2		
12V-DC, 2 CO, 8A		RP420012-B
24V-DC, 2 CO, 8A		RP420024-B
24V-AC, 2 CO, 8A		RP420524-B
230V-AC, 2 CO, 8A		RP420730-B
24V-DC, 2 CO, 8A		RP421024-B
230V-AC, 2 CO, 8A		RP421730-B
24V-DC, 2 CO, 8A		RP820024-A
RP Power PCB Relay Cards E Vertical		
12V-DC, 1 CO, 8A		RP510012-E
24V-DC, 1 CO, 8A		RP510024-E
RP Power PCB Relay Cards E Horizontal		
12V-DC, 1 CO, 8A		RP610012-E
24V-DC, 1 CO, 8A		RP611024-E

