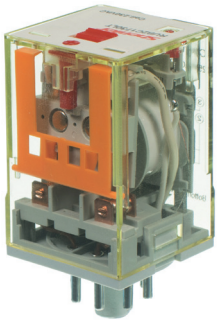
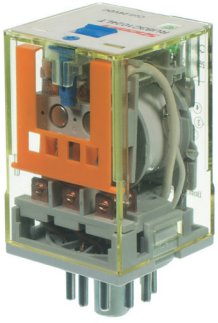
RUB General Purpose Relay



RUB2C



RUB3C

Features

- 2 pole 3 pole contact load 10A
- With non-polarity LED integrated in relay
- With lockable test button and inspection window
- Identification of coils through test button color (AC red/DC blue)
- Conformity with RoHs Directive

Ordering Information

RUB □ □ □ □

Contact form

2C: 2CO
3C: 3CO

Wiring type

1: 1
2: 2-1
5: 5-1 (3C only)

Coil voltage code

Code	006	012	024	036	048	110	220	
Voltage (V DC)	6	12	24	36	48	110	220	
Code	506	512	524	536	548	615	730	740
Voltage (V AC)	6	12	24	36	48	115	230	240

Options

LT: LED + test button
LTD: LED + test button + diode
RUB2C1 (2-,7+); RUB2C2 (1-,8+); RUB3C1 (2-,10+);
RUB3C5 (2-10+); RUB3C2 (1-,11+)
LTD1: LED + Test button + diode
RUB2C1 (2+,7-); RUB2C2 (1+,8-); RUB3C1 (2+,10-);
RUB3C5 (2+,10-); RUB3C2 (1+,11-)

Characteristics

Contact	Configuration	2C	3C
	Rated current/Rated voltage	10A/250VAC 30VDC (resistive RES); 7A/250VAC 30VDC (perceptual GEN)	
	Switching capacity (resistive)	2500VA, 300W	
	Initial contact resistance	≤50mΩ	
	Material	Ag alloy	
	Electrical durability	≥10^5 (1800 ops/h)	
	Mechanical durability	≥2000 x 10^4 (18000 ops)	
Pick-up voltage (23℃)		≤80%	
Drop-out voltage (23℃)		DC:≥10%, AC:≥30% 50/60Hz (Rated voltage)	
Maximum voltage (23℃)		110% (Rated voltage)	
Insulation resistance		≥100MΩ (500VDC)	
Coil operating power	DC(W)	approx. 1.5	
	AC(VA)	approx. 2.7	
Operate time (at nominal voltage)		≤30 ms	
Release time (at nominal voltage)		≤20 ms	
Initial breakdown voltage	Between open contacts	1000VAC/1min (leakage current 1mA)	
	Between poles	2500VAC/1min (leakage current 1mA)	
	Between contacts and coil	2500VAC/1min (leakage current 1mA)	
Ambient temperature		-10~+55℃	
Humidity		35%~85%RH	
Air pressure		86~106KPa	
Shock resistance		10G (half-sine shock pulse: 11ms)	
Vibration resistance		10~55Hz double-amplitude:1.5mm	
Mounting		Plug in	
Unit weight		approx. 85g	

Coil Specifications (23℃)

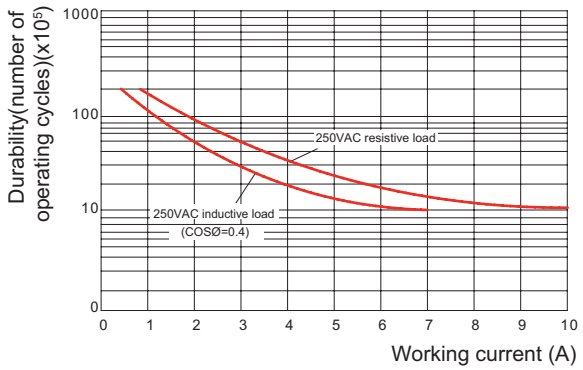
Nominal voltage V.DC	6	12	24	36	48	110	220	
Coil resistance Ω	23.7	96	430	860	1640	7360	29500	
Nominal voltage V.AC	6	12	24	36	48	115	230	240
Coil resistance Ω	3.9	17	62.5	144	305	1250	5900	6500

Remarks: Coil resistances under 10000Ω are measured with tolerances of ±10%Ω; above coil resistances 10000Ω are measured with tolerances of ±15%Ω.

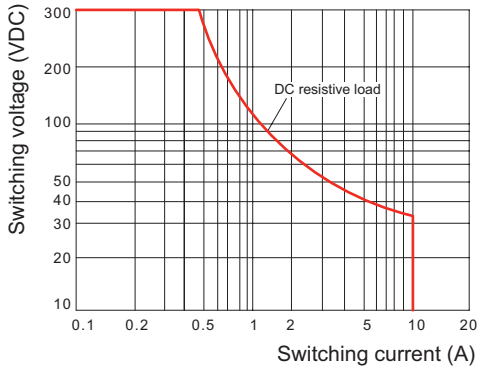
Contact Specification

RUB2CO/3CO

Electrical durability contacts

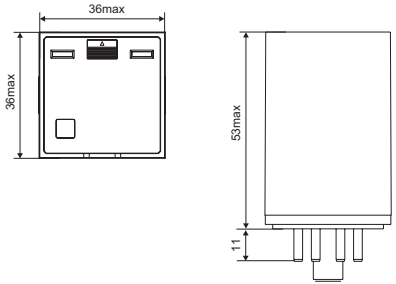


Maximum switching capacity

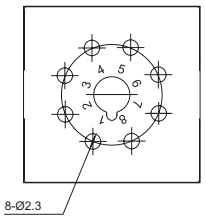


Dimensions (mm)

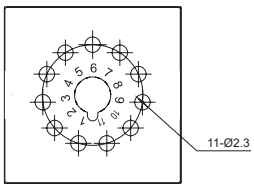
RUB



RUB2C

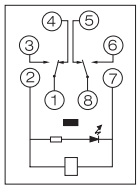


RUB3C



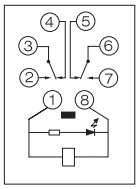
Wiring Diagrams

RUB2C1



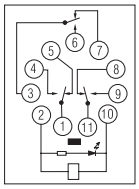
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③⑥：NO
④⑤：NC

RUB2C2



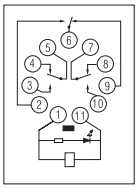
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③⑥：COM
②⑦：NO
④⑤：NC

RUB3C1



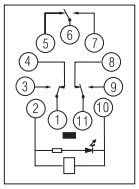
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①③⑪：COM
④⑥⑨：NO
⑤⑦⑧：NC

RUB3C2



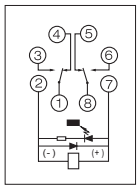
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②③⑩：NO
④⑧⑨：NC

RUB3C5

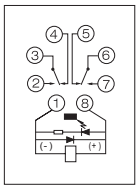


⑩②：A1, A2
①⑥⑪：COM
③⑦⑨：NO
④⑤⑧：NC

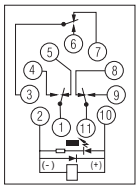
RUB2C1...LTD



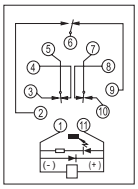
RUB2C2...LTD



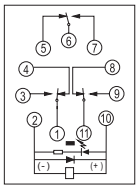
RUB3C1...LTD



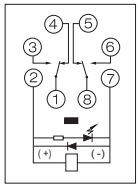
RUB3C2...LTD



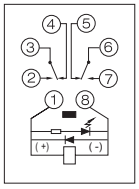
RUB3C5...LTD



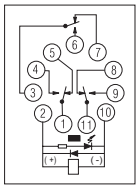
RUB2C1...LTD1



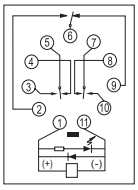
RUB2C2...LTD1



RUB3C1...LTD1



RUB3C2...LTD1



RUB3C5...LTD1

