

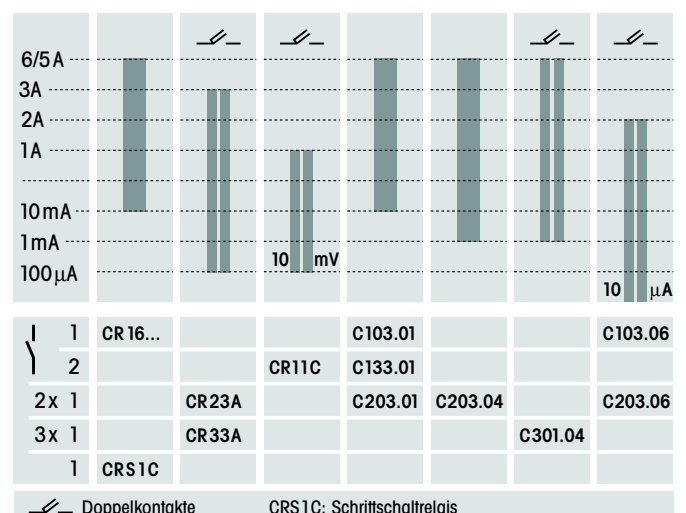
- DIN-Relais
- Interface-Bausteine

**CR 7 01**

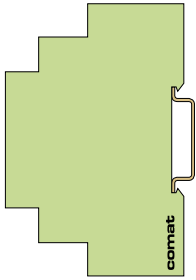


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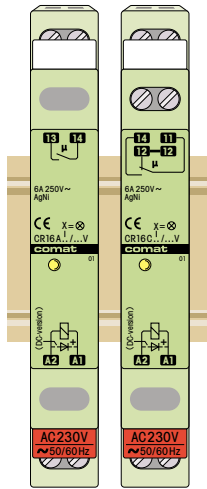
**CR 7 Empfohlener Einsatzbereich**



—/— Doppelkontakte      CRS1C: Schrittschaltrelais



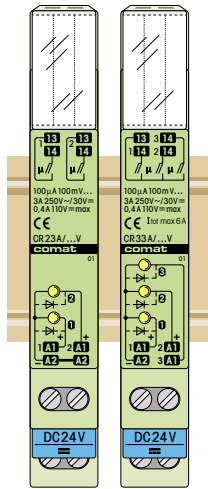
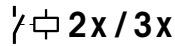
Leistungsrelais



CR16AX CR16CX

6A 250V~  
10mA 12V

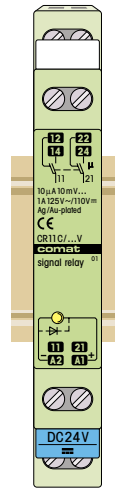
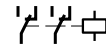
Steuerrelais



CR23A CR33A

3A 250V~  
100 μA 100mV

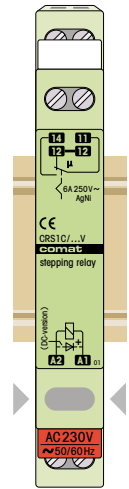
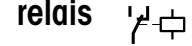
Signalrelais



CR11C

1A 250V~  
100 μA 10mV

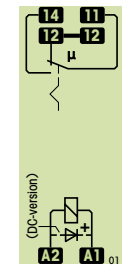
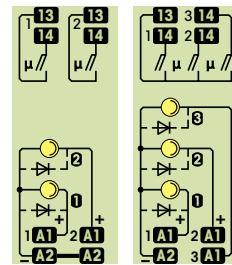
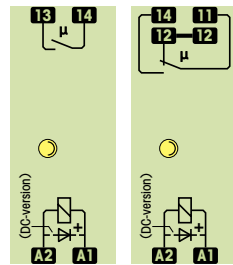
Schrittschaltrelais



CRS1C

6A 250V~  
10mA 12V

13mm



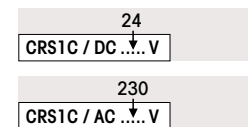
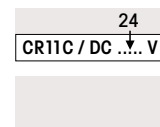
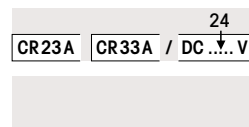
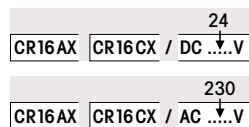
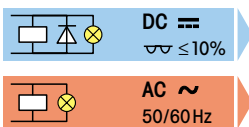
- Kontaktwerkstoff  
Schaltleistung AC1/DC1  
Einschaltstrom  
Schaltspiele mech./elektr. (AC1)
- Betriebsspannung AC50Hz/DC  
Leistungsaufnahme AC/DC  
Ansprech-/Rückfallzeit
- Prüfspannung  
Tu Betrieb/Lager

Ag Ni  
1500VA/...180W  
15A/20ms  
30x10<sup>6</sup> / ≥ 1,5x10<sup>5</sup>  
AC -20%+10%/DC ±15%  
2,5VA/0,25W  
10ms/20ms  
⊞ 2000V ⊘ 2000V ⊘  
-20...+60/-40...+85°C

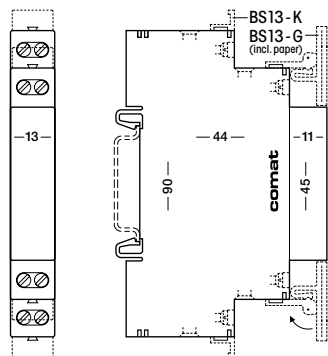
Ag-alloy/Au3μm  
750VA/...90W  
—  
20x10<sup>6</sup> / ≥ 1,5x10<sup>5</sup>  
—/DC ±20%  
0,25W  
6ms/4ms  
⊞ 2000V ⊘ 2000V ⊘  
-20...+60/-40...+85°C

Ag-alloy/Au5μm  
65VA/...30W  
—  
200x10<sup>6</sup> / ≥ 10<sup>5</sup>  
—/DC ±25%  
0,25W  
3ms/4ms  
⊞ 2000V ⊘ 2000V ⊘  
-20...+60/-40...+85°C

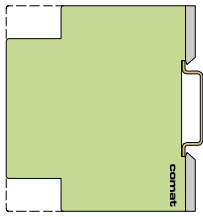
Ag Ni  
1500VA/...180W  
15A/20ms  
DC: 10x10<sup>6</sup>; AC: 10<sup>5</sup> / ≥ 10<sup>5</sup>  
AC ±15%/DC ±15%  
2VA/1,5W  
Empf. Ansteuerdauer ≥ 50ms  
⊞ 2000V ⊘ 2000V ⊘  
-20...+60/-40...+85°C



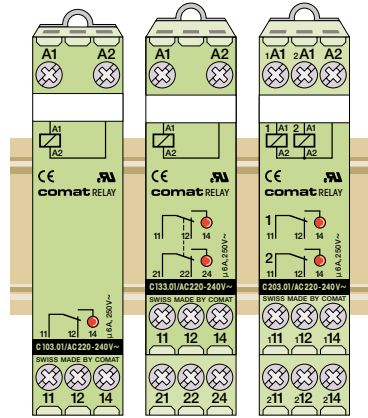
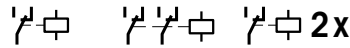
Bestellbeispiel  
• Relais CRS1C/AC230V



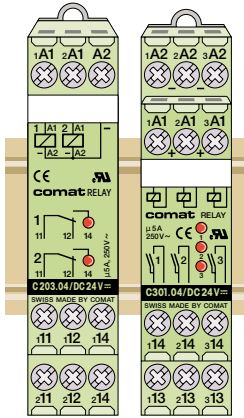
Daten bei Tu 20°C (⊞ Standard)  
μ = Kontaktöffnung < 3mm



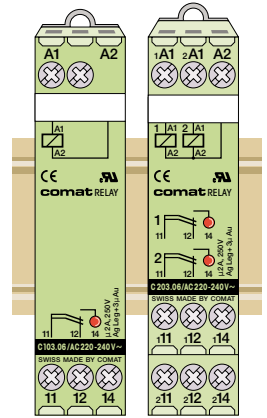
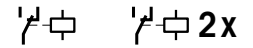
Leistungsrelais



Steuerrelais



Signalrelais



C103.01 C133.01 C203.01

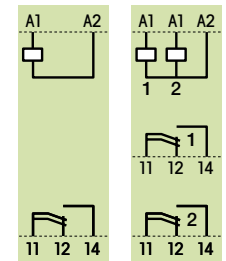
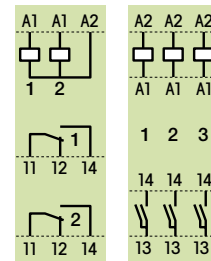
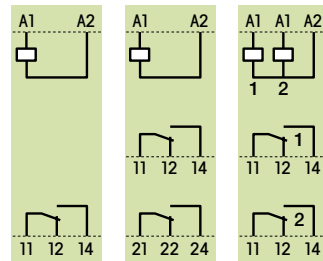
6 A 250V~  
10mA 24V

C203.04 C301.04

5 A 250V~  
1mA 0,1V

C103.06 C203.06

2 A 125V~  
10 μA 10mV

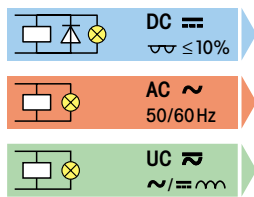


- Kontaktwerkstoff  
Schaltleistung AC1/DC1  
Einschaltstrom  
Schaltspiele mech./elektr. (AC1)
- Betriebsspannung AC 50 Hz/DC  
Leistungsaufnahme AC/DC  
Ansprech-/Rückfallzeit
- Prüfspannung  
Tu Betrieb/Lager

- Ag Ni  
1500 VA/...300 W  
15 A/20 ms  
20 x 10<sup>6</sup> / ≥ 10<sup>5</sup>
- 0,85...1,15 Un  
0,5 W  
10 ms/10 ms
- 2000 V / 2000 V /  
-20...+60/-40...+85 °C

- Ag-alloy  
1250 VA/...150 W  
10 A/20 ms  
50 x 10<sup>6</sup> / ≥ 1,5 x 10<sup>5</sup>
- 0,8...1,2 Un  
0,25 W  
6 ms/30 ms
- 2000 V / 2000 V /  
-20...+60/-40...+85 °C

- Ag-alloy/Au 3 μm  
250 VA/...60 W  
—  
100 x 10<sup>6</sup> / ≥ 10<sup>5</sup>
- 0,8...1,2 Un  
0,25 W  
10 ms/20 ms
- 2000 V / 2000 V /  
-20...+60/-40...+85 °C

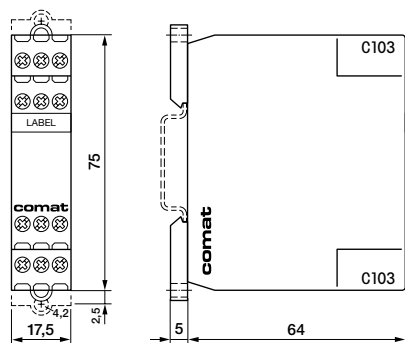


			12, 24
C103.01	C133.01	C203.01 / DC	... V
C103.01	C133.01	C203.01 / AC	110-127, 220-240
C103.01	C133.01	C203.01 / UC	24, 48

		12-15, 24, 48
C203.04	C301.04 / DC	... V

		12, 24
C103.06	C203.06 / DC	... V
C103.06	C203.06 / AC	110-127, 220-240
C103.06	C203.06 / UC	24, 48

Bestellbeispiel  
• Relais C301.04/DC 24V==



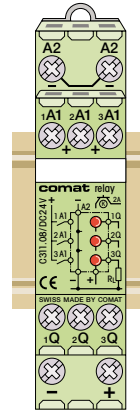
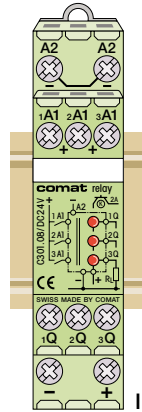
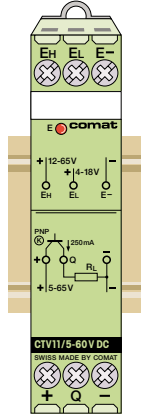
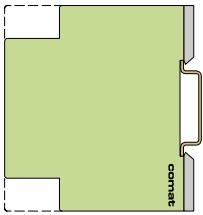
Daten bei Tu 20 °C (□ Standard)  
μ = Kontaktöffnung < 3 mm

Halbleiterrelais

Trennschaltverstärker

3x

3x

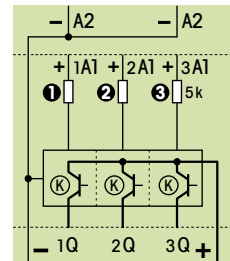
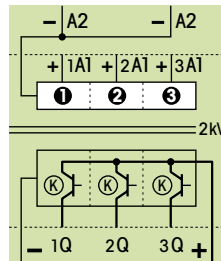
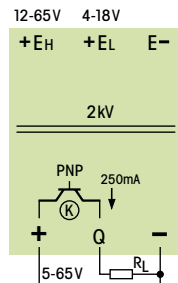


CE Schaltstrom/-spannung

CTV11 250 mA 5...60 V==

C301.08 2 A 10...30 V==

C311.08 2 A 10...30 V==



- Zulässiger Spitzenstrom
- Reststrom
- Spannungsabfall / ON-Widerstand
- Steuerspannung (U<sub>nom</sub>)
- Ripple
- Ansteuerung AUS
- Steuerstrom an A1
- Schaltverzögerung

0,75A (20ms)  
 <100µA  
 <1V  
 EH 15-60V / EL 5-15V  
 ≤10% @10V  
 EL ≤ 2,5V / EH ≤ 5V  
 Typ. 10mA  
 ON 200µs / OFF 400µs

15A (20ms)  
 <100µA  
 50mΩ  
 DC24V (10...30V) =  
 ≤10% @10V  
 UA1: ≤ 6V  
 4mA @ 24V  
 2,5ms

15A (20ms)  
 <100µA  
 50mΩ  
 DC24V (10...30V) =  
 ≤10% @10V  
 UA1: ≤ 6V  
 4mA @ 24V  
 2,5ms

DC ≤10%

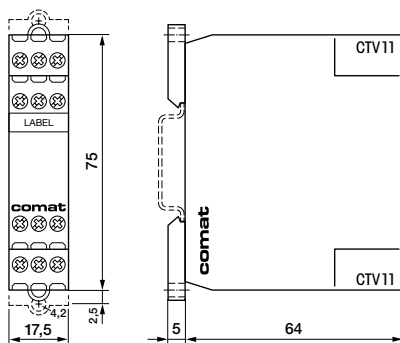
5-60 CTV11 / DC ... V

24 C301.08 / DC ... V

24 C311.08 / DC ... V

Bestellbeispiel

- Halbleiterrelais C301.08/DC24V



Anwendungshinweis C300

Die 3 Kanäle sind beliebig parallel-schaltbar (I<sub>max</sub> = 6A). Die Ausgänge sind nach thermischer Überlastung selbstrückstellend. Rückstellung nach Kurzschluss (>17A/150µs) durch Ansteuerung AUS.

Last-Grenzkurve (ohmsche Last)

