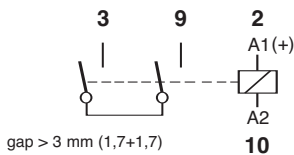


C3-X10... Power relay, DC Single pole, NO, double make

10A / 250V AC1 1,2A @ 220V DC1
7A @ 110V DC1 0,3A @ 220V DC13

Contacts

Materials code 0 (standard)
Max. switching current 10 A
Peak inrush current (20 ms) 30 A
Max. switching voltage, (pollution 3) 250 V
Max. switching voltage, (pollution 2) 400V
Max. AC load (Table 5) 2,5 KVA
Max. DC load See Table 10, pag. 11



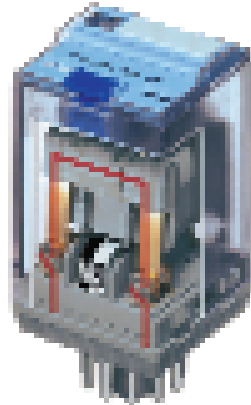
Standard types (50/60 Hz and DC)

AC 24, 48, 115 (110 ... 120), 230
X = LED C3-X10 X/ ... V
RC suppressor C3-X10R / ... V

DC 12, 24, 48, 110, 120/125, 220
X = LED C3-X10 X/ ... V
Free wheeling diode C3-X10D X/ ... V
Free wheeling and polarity C3-X10F X/ ... V
AC/DC rectifier (60V max.) C3-X10B X/ ... V

Specifications

Nominal coil power: 2,4 VA (AC), 1,3 W (DC)
Operate time 20 ms.
Release time 10 ms.
Isolation: EN60947 pollution 3, Gr C 250V
Dielectric strength, contacts / coil 2,5 KV

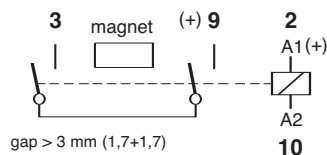


C3-M10... Power relay, DC Single pole, magnetic blow out

10A / 250V AC1 10A @ 220V DC1
3,6A @ 110V DC13 2A @ 220V DC13

Contacts

Materials code 0 (standard)
Max. switching current 10 A
Peak inrush current (20 ms) 30 A
Max. switching voltage, (pollution 3) 250 V
Max. switching voltage, (pollution 2) 400 V
Max. AC load (Table 5) 2,5 KVA
Electrical life, DC See Tables 6 and 7



Standard types (50/60 Hz and DC)

AC 24, 48, 115 (110 ... 120), 230
Standard types (50/60 Hz and DC)

AC 24, 48, 115 (110 ... 120), 230
X = LED C3-M10 X/ ... V
RC suppressor C3-M10R / ... V

DC 12, 24, 48, 110, 120/125, 220
X = LED C3-M10 X/ ... V
Free wheeling diode C3-M10D X/ ... V
Free wheeling and polarity C3-M10F X/ ... V
AC/DC rectifier (60V max.) C3-M10B X/ ... V

Specifications

Nominal coil power: 2,4 VA (AC), 1,3 W (DC)
Operate time 20 ms.
Release time 10 ms.
Isolation: EN60947 pollution 3, Gr C 250V

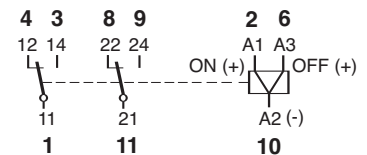


C3-R20... Latching Two change-over contacts, 10 A

10A / 250V AC1 10A @ 30V DC1
6A / 250V AC15 0,5A @ 110V DC1

Contacts

Materials code 0 (standard); options: 8 - 9
Max. switching current 10 A
Peak inrush current (20 ms) 30 A
Max. switching voltage, (pollution 3) 250 V
Max. switching voltage, (pollution 2) 400 V
Max. AC load (Table 1, pag. 7) 2,5 KVA
Max. DC load See Table 2, pag. 7



Standard types (50/60 Hz and DC)

AC 24, 48, 115 (110 ... 120), 230
C3-R20 / ... V

DC 12, 24, 48, 110, 125
(two windings) C3-R20 / ... V

Note: All AC and DC coils withstand permanent connection.

Specifications

ON pulse power 1,5 VA/ W
OFF pulse power 0,5 VA/ W
Min. pulse length for ON/OFF control 50 ms.
Isolation: EN60947 pollution 3, Gr C 250V
Dielectric strength, contacts / coil 2,5 KV
Dielectric strength, pole / pole 2,5 KV



Table 5 Electrical life (ops x 10⁶)
Types C3-X10 and C3-M10

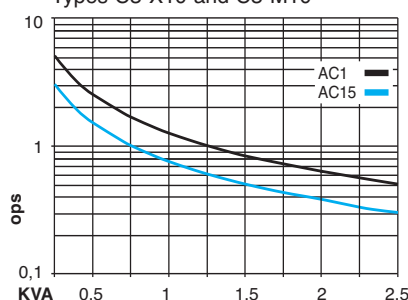


Table 6 Electrical life (ops x 10⁶)
Types C3-M10 and C5-M10

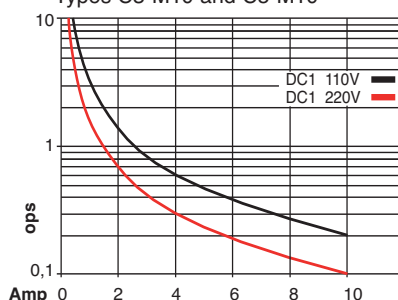
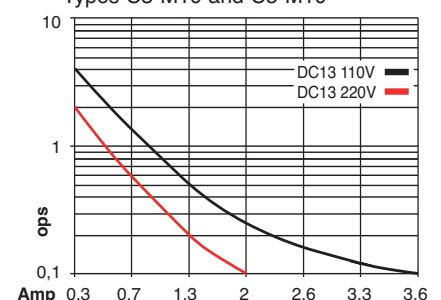
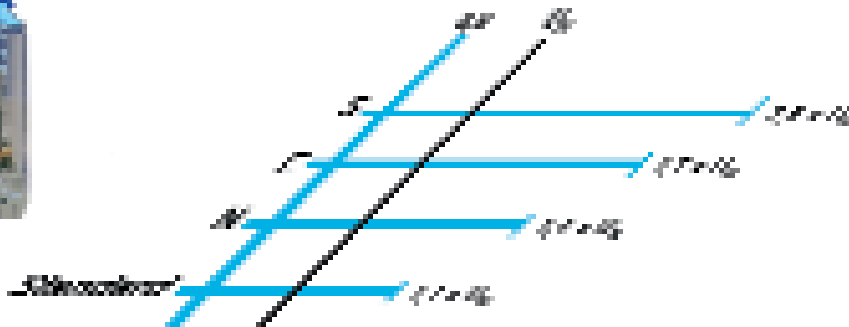


Table 7 Electrical life (ops x 10⁶)
Types C3-M10 and C5-M10



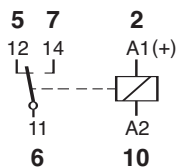


C3-S14... Sensitive, 250 mW One change-over contact, 6 A

Operating range: $0,8 \dots 2,5 \times U_N$
6A / 250V AC1 6A @ 30V DC1

Contacts

Materials code 4 (standard)
Max. switching current 6 A
Peak inrush current (10 ms) 15 A
Max. switching voltage, (pollution 3) 250 V
Max. switching voltage, (pollution 2) 400 V
Max. AC resistive load (Table 8) 1,2 KVA
Max. DC load See Table 9



Standard types, DC

DC 6, 12, 24, 48

C3-S14 / ... V

Free wheeling diode C3-S14D / ... V
Free wheeling and polarity C3-S14F / ... V

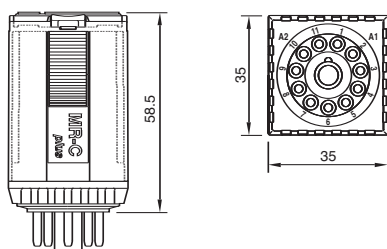
Note: The connection of diodes to the coil will increase the initial drop-out time.
LED available only on request, see pag. 6

Specifications

Nominal coil power 250 mW
Operate time 18 ms.
Release time 10 ms.
Isolation: EN60947 pollution 3, Gr C 250V
Dielectric strength, contacts / coil 2,5 KV
Dielectric strength, pole / pole 2,5 KV



Dimensions (mm)

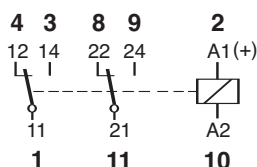


C3-E24... Sensitive, 500 mW Two change-over contacts, 6 A

Operating range: $0,8 \dots 1,7 \times U_N$
6A / 250V AC1 6A @ 30V DC1

Contacts

Materials code 4 (standard)
Max. switching current 6 A
Peak inrush current (10 ms) 15 A
Max. switching voltage, (pollution 3) 250 V
Max. switching voltage, (pollution 2) 400 V
Max. AC resistive load (Table 8) 1,2 KVA
Max. DC load See Table 9



Standard types, DC

DC 6, 12, 24, 48, 60, 110

C3-E24 / ... V

Free wheeling diode C3-E24D / ... V
Free wheeling and polarity C3-E24F / ... V

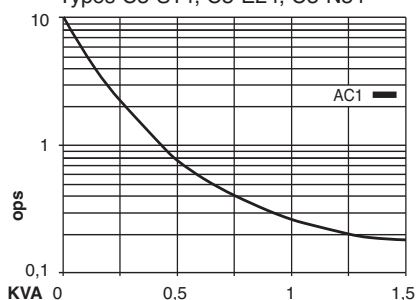
Note: The connection of diodes to the coil will increase the initial drop-out time.
LED available only on request, see pag. 6

Specifications

Nominal coil power 500 mW
Operate time 18 ms.
Release time 10 ms.
Isolation: EN60947 pollution 3, Gr C 250V
Dielectric strength, contacts / coil 2,5 KV
Dielectric strength, pole / pole 2,5 KV



Table 8 Electrical life (ops x 10⁶)
Types C3-S14, C3-E24, C3-N34

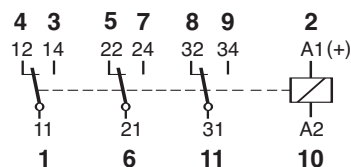


C3-N34... Sensitive, 800 mW Three change-over contacts, 6 A

Operating range: $0,8 \dots 1,4 \times U_N$
6A / 250V AC1 6A @ 30V DC1

Contacts

Materials code 4 (standard)
Max. switching current 6 A
Peak inrush current (10 ms) 15 A
Max. switching voltage, (pollution 3) 250 V
Max. switching voltage, (pollution 2) 400 V
Max. AC resistive load (Table 8) 1,2 KVA
Max. DC load See Table 9



Standard types, DC

DC 6, 12, 24, 48, 60, 110

C3-N34 / ... V

Free wheeling diode C3-N34D / ... V
Free wheeling and polarity C3-N34F / ... V

Note: The connection of diodes to the coil will increase the initial drop-out time.
LED available only on request, see pag. 6

Specifications

Nominal coil power 800 mW
Operate time 18 ms.
Release time 10 ms.
Isolation: EN60947 pollution 3, Gr C 250V
Dielectric strength, contacts / coil 2,5 KV
Dielectric strength, pole / pole 2,5 KV



Table 9 Max. DC load
Types C3-S14, C3-E24, C3-N34

