

2CDC 293 066 F0004



2CDC 291 046 F0004

Pluggable miniature relays CR-M without LED

| Type | Rated control supply voltage | Order code |
|-------------------------------------|------------------------------|---------------------------|
| Interface relays without LED | | |
| 2 c/o contacts : 250 V, 12 A | | |
| CR-M012DC2 | 12 V DC | 1SVR 405 611 R4000 |
| CR-M024DC2 | 24 V DC | 1SVR 405 611 R1000 |
| CR-M048DC2 | 48 V DC | 1SVR 405 611 R6000 |
| CR-M060DC2 | 60 V DC | 1SVR 405 611 R4200 |
| CR-M110DC2 | 110 V DC | 1SVR 405 611 R8000 |
| CR-M125DC2 | 125 V DC | 1SVR 405 611 R8200 |
| CR-M220DC2 | 220 V DC | 1SVR 405 611 R9000 |
| CR-M024AC2 | 24 V AC | 1SVR 405 611 R0000 |
| CR-M048AC2 | 48 V AC | 1SVR 405 611 R5000 |
| CR-M110AC2 | 110 V AC | 1SVR 405 611 R7000 |
| CR-M120AC2 | 120 V AC | 1SVR 405 611 R2000 |
| CR-M230AC2 | 230 V AC | 1SVR 405 611 R3000 |
| 3 c/o contacts: 250 V, 10 A | | |
| CR-M012DC3 | 12 V DC | 1SVR 405 612 R4000 |
| CR-M024DC3 | 24 V DC | 1SVR 405 612 R1000 |
| CR-M048DC3 | 48 V DC | 1SVR 405 612 R6000 |
| CR-M060DC3 | 60 V DC | 1SVR 405 612 R4200 |
| CR-M110DC3 | 110 V DC | 1SVR 405 612 R8000 |
| CR-M125DC3 | 125 V DC | 1SVR 405 612 R8200 |
| CR-M220DC3 | 220 V DC | 1SVR 405 612 R9000 |
| CR-M024AC3 | 24 V AC | 1SVR 405 612 R0000 |
| CR-M048AC3 | 48 V AC | 1SVR 405 612 R5000 |
| CR-M110AC3 | 110 V AC | 1SVR 405 612 R7000 |
| CR-M120AC3 | 120 V AC | 1SVR 405 612 R2000 |
| CR-M230AC3 | 230 V AC | 1SVR 405 612 R3000 |
| 4 c/o contacts: 250 V, 6 A | | |
| CR-M012DC4 | 12 V DC | 1SVR 405 613 R4000 |
| CR-M024DC4 | 24 V DC | 1SVR 405 613 R1000 |
| CR-M048DC4 | 48 V DC | 1SVR 405 613 R6000 |
| CR-M060DC4 | 60 V DC | 1SVR 405 613 R4200 |
| CR-M110DC4 | 110 V DC | 1SVR 405 613 R8000 |
| CR-M125DC4 | 125 V DC | 1SVR 405 613 R8200 |
| CR-M220DC4 | 220 V DC | 1SVR 405 613 R9000 |
| CR-M024AC4 | 24 V AC | 1SVR 405 613 R0000 |
| CR-M048AC4 | 48 V AC | 1SVR 405 613 R5000 |
| CR-M110AC4 | 110 V AC | 1SVR 405 613 R7000 |
| CR-M120AC4 | 120 V AC | 1SVR 405 613 R2000 |
| CR-M230AC4 | 230 V AC | 1SVR 405 613 R3000 |

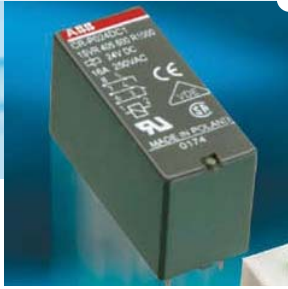
Pluggable miniature relays CR-M

- 2, 3 or 4 c/o contacts
- 2 c/o contacts: 250 V / 12 A switching capacity
- 3 c/o contacts: 250 V / 10 A switching capacity
- 4 c/o contacts: 250 V / 6 A switching capacity
- Integrated test button for manual actuation and locking of the output contacts ³⁾
(blue: DC, orange: AC)
- With or without LED
- 4 c/o version optionally equipped with gold contacts and LED
- Suited for logical or standard sockets¹⁾
- Pluggable function modules CR-P/M
- Approvals / Marks (relays):

 ⁴⁾,
  ⁵⁾,
  ⁶⁾,
  ⁷⁾,
  ⁸⁾,
  /
  /
 

- 1) see previous page
- 3) can be removed if necessary
- 4) not for 60 V DC and 125 V DC version with gold contacts
- 5) not for versions with gold contacts
- 6) not for 60 V DC and 125 V DC version
- 7) not for 125 V DC version
- 8) only for version with 4 c/o contacts

Bold printed order code = stocked product
Packing unit = 10 pieces

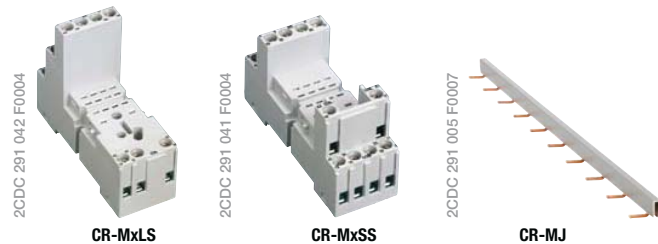


Pluggable miniature relays CR-M with LED

| Type | Rated control supply voltage | Order code |
|--|------------------------------|---------------------------|
| Interface relays with LED | | |
| 2 c/o contacts: 250 V, 12 A | | |
| CR-M012DC2L | 12 V DC | 1SVR 405 611 R4100 |
| CR-M024DC2L | 24 V DC | 1SVR 405 611 R1100 |
| CR-M048DC2L | 48 V DC | 1SVR 405 611 R6100 |
| CR-M060DC2L | 60 V DC | 1SVR 405 611 R4300 |
| CR-M110DC2L | 110 V DC | 1SVR 405 611 R8100 |
| CR-M125DC2L | 125 V DC | 1SVR 405 611 R8300 |
| CR-M220DC2L | 220 V DC | 1SVR 405 611 R9100 |
| CR-M024AC2L | 24 V AC | 1SVR 405 611 R0100 |
| CR-M048AC2L | 48 V AC | 1SVR 405 611 R5100 |
| CR-M110AC2L | 110 V AC | 1SVR 405 611 R7100 |
| CR-M120AC2L | 120 V AC | 1SVR 405 611 R2100 |
| CR-M230AC2L | 230 V AC | 1SVR 405 611 R3100 |
| 3 c/o contacts: 250 V, 10 A | | |
| CR-M012DC3L | 12 V DC | 1SVR 405 612 R4100 |
| CR-M024DC3L | 24 V DC | 1SVR 405 612 R1100 |
| CR-M048DC3L | 48 V DC | 1SVR 405 612 R6100 |
| CR-M060DC3L | 60 V DC | 1SVR 405 612 R4300 |
| CR-M110DC3L | 110 V DC | 1SVR 405 612 R8100 |
| CR-M125DC3L | 125 V DC | 1SVR 405 612 R8300 |
| CR-M220DC3L | 220 V DC | 1SVR 405 612 R9100 |
| CR-M024AC3L | 24 V AC | 1SVR 405 612 R0100 |
| CR-M048AC3L | 48 V AC | 1SVR 405 612 R5100 |
| CR-M110AC3L | 110 V AC | 1SVR 405 612 R7100 |
| CR-M120AC3L | 120 V AC | 1SVR 405 612 R2100 |
| CR-M230AC3L | 230 V AC | 1SVR 405 612 R3100 |
| 4 c/o contacts: 250 V, 6 A | | |
| CR-M012DC4L | 12 V DC | 1SVR 405 613 R4100 |
| CR-M024DC4L | 24 V DC | 1SVR 405 613 R1100 |
| CR-M048DC4L | 48 V DC | 1SVR 405 613 R6100 |
| CR-M060DC4L | 60 V DC | 1SVR 405 613 R4300 |
| CR-M110DC4L | 110 V DC | 1SVR 405 613 R8100 |
| CR-M125DC4L | 125 V DC | 1SVR 405 613 R8300 |
| CR-M220DC4L | 220 V DC | 1SVR 405 613 R9100 |
| CR-M024AC4L | 24 V AC | 1SVR 405 613 R0100 |
| CR-M048AC4L | 48 V AC | 1SVR 405 613 R5100 |
| CR-M110AC4L | 110 V AC | 1SVR 405 613 R7100 |
| CR-M120AC4L | 120 V AC | 1SVR 405 613 R2100 |
| CR-M230AC4L | 230 V AC | 1SVR 405 613 R3100 |
| Interface relays with LED and gold contacts | | |
| 4 c/o contacts: 250 V, 12 A | | |
| CR-M012DC4LG | 12 V DC | 1SVR 405 618 R4100 |
| CR-M024DC4LG | 24 V DC | 1SVR 405 618 R1100 |
| CR-M048DC4LG | 48 V DC | 1SVR 405 618 R6100 |
| CR-M060DC4LG | 60 V DC | 1SVR 405 618 R4300 |
| CR-M110DC4LG | 110 V DC | 1SVR 405 618 R8100 |
| CR-M125DC4LG | 125 V DC | 1SVR 405 618 R8300 |
| CR-M220DC4LG | 220 V DC | 1SVR 405 618 R9100 |
| CR-M024AC4LG | 24 V AC | 1SVR 405 618 R0100 |
| CR-M048AC4LG | 48 V AC | 1SVR 405 618 R5100 |
| CR-M110AC4LG | 110 V AC | 1SVR 405 618 R7100 |
| CR-M120AC4LG | 120 V AC | 1SVR 405 618 R2100 |
| CR-M230AC4LG | 230 V AC | 1SVR 405 618 R3100 |

Accessories for miniature relays CR-M

| Type | Version | Connection | Order code |
|---------------------------|---|-----------------|---------------------------|
| Sockets | | | |
| CR-M2LS | Logical socket ¹⁾²⁾ for 2 c/o contacts | screw | 1SVR 405 651 R1100 |
| CR-M3LS | Logical socket ¹⁾²⁾ for 3 c/o contacts | screw | 1SVR 405 651 R2100 |
| CR-M4LS | Logical socket ¹⁾²⁾ for 2/4 c/o contacts | screw | 1SVR 405 651 R3100 |
| CR-M2LC | Logical socket ¹⁾²⁾ for 2 c/o contacts | spring | 1SVR 405 651 R1200 |
| CR-M4LC | Logical socket ¹⁾²⁾ for 2/4 c/o contacts | spring | 1SVR 405 651 R3200 |
| CR-M2SS | Standard socket ¹⁾ for 2 c/o contacts | screw | 1SVR 405 651 R1000 |
| CR-M3SS | Standard socket ¹⁾ for 3 c/o contacts | screw | 1SVR 405 651 R2000 |
| CR-M4SS | Standard socket ¹⁾ for 2/4 c/o contacts | screw | 1SVR 405 651 R3000 |
| CR-M2SF | Standard socket ¹⁾ for 2 c/o contacts | fork type screw | 1SVR 405 651 R1300 |
| CR-M4SF | Standard socket ¹⁾ for 2/4 c/o contacts | fork type screw | 1SVR 405 651 R3300 |
| Socket accessories | | | |
| CR-MH | Plastic holder | | 1SVR 405 659 R1000 |
| CR-MH1 | Metal holder | | 1SVR 405 659 R1100 |
| CR-MJ | Jumper bar for sockets with screw connection | | 1SVR 405 658 R6000 |



- Standard sockets - Position of connecting terminals:**
coil connection (A1-A2) on lower socket side,
contact connections (n/o and n/c contacts) on lower and upper socket side.
Logical sockets - Position of connecting terminals:
coil connection (A1-A2) on lower socket side,
all contact connections (common contacts, n/o and n/c contacts) on upper socket side.
- can be used with time modules CR-P/M T ...

Bold printed order code = stocked product
Packing unit = 10 pieces



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2CDC 293 067 F0004

Pluggable universal relays CR-U

| Type | Rated control supply voltage | Order code |
|-------------------------------------|------------------------------|---------------------------|
| Interface relays without LED | | |
| 2 c/o contacts: 250 V, 10 A | | |
| CR-U012DC2 | 12 V DC | 1SVR 405 621 R4000 |
| CR-U024DC2 | 24 V DC | 1SVR 405 621 R1000 |
| CR-U048DC2 | 48 V DC | 1SVR 405 621 R6000 |
| CR-U110DC2 | 110 V DC | 1SVR 405 621 R8000 |
| CR-U220DC2 | 220 V DC | 1SVR 405 621 R9000 |
| CR-U024AC2 | 24 V AC | 1SVR 405 621 R0000 |
| CR-U048AC2 | 48 V AC | 1SVR 405 621 R5000 |
| CR-U110AC2 | 110 V AC | 1SVR 405 621 R7000 |
| CR-U120AC2 | 120 V AC | 1SVR 405 621 R2000 |
| CR-U230AC2 | 230 V AC | 1SVR 405 621 R3000 |
| 3 c/o contacts: 250 V, 10 A | | |
| CR-U012DC3 | 12 V DC | 1SVR 405 622 R4000 |
| CR-U024DC3 | 24 V DC | 1SVR 405 622 R1000 |
| CR-U048DC3 | 48 V DC | 1SVR 405 622 R6000 |
| CR-U110DC3 | 110 V DC | 1SVR 405 622 R8000 |
| CR-U220DC3 | 220 V DC | 1SVR 405 622 R9000 |
| CR-U024AC3 | 24 V AC | 1SVR 405 622 R0000 |
| CR-U048AC3 | 48 V AC | 1SVR 405 622 R5000 |
| CR-U110AC3 | 110 V AC | 1SVR 405 622 R7000 |
| CR-U120AC3 | 120 V AC | 1SVR 405 622 R2000 |
| CR-U230AC3 | 230 V AC | 1SVR 405 622 R3000 |
| Interface relays with LED | | |
| 2 c/o contacts: 250 V, 10 A | | |
| CR-U012DC2L | 12 V DC | 1SVR 405 621 R4100 |
| CR-U024DC2L | 24 V DC | 1SVR 405 621 R1100 |
| CR-U048DC2L | 48 V DC | 1SVR 405 621 R6100 |
| CR-U110DC2L | 110 V DC | 1SVR 405 621 R8100 |
| CR-U220DC2L | 220 V DC | 1SVR 405 621 R9100 |
| CR-U024AC2L | 24 V AC | 1SVR 405 621 R0100 |
| CR-U048AC2L | 48 V AC | 1SVR 405 621 R5100 |
| CR-U110AC2L | 110 V AC | 1SVR 405 621 R7100 |
| CR-U120AC2L | 120 V AC | 1SVR 405 621 R2100 |
| CR-U230AC2L | 230 V AC | 1SVR 405 621 R3100 |
| 3 c/o contacts: 250 V, 10 A | | |
| CR-U012DC3L | 12 V DC | 1SVR 405 622 R4100 |
| CR-U024DC3L | 24 V DC | 1SVR 405 622 R1100 |
| CR-U048DC3L | 48 V DC | 1SVR 405 622 R6100 |
| CR-U110DC3L | 110 V DC | 1SVR 405 622 R8100 |
| CR-U220DC3L | 220 V DC | 1SVR 405 622 R9100 |
| CR-U024AC3L | 24 V AC | 1SVR 405 622 R0100 |
| CR-U048AC3L | 48 V AC | 1SVR 405 622 R5100 |
| CR-U110AC3L | 110 V AC | 1SVR 405 622 R7100 |
| CR-U120AC3L | 120 V AC | 1SVR 405 622 R2100 |
| CR-U230AC3L | 230 V AC | 1SVR 405 622 R3100 |

Pluggable universal relays CR-U

- 2 or 3 c/o contacts, 250 V / 10 A switching capacity
- Mechanical status indication
- Integrated test button for manual actuation and locking of the output contacts ³⁾ (blue: DC, orange: AC)
- With or without LED
- Pluggable function modules CR-U
- Approvals / Marks (relays):



Accessories for universal relays CR-U

| Type | Version | Order code |
|---------------------------|------------------------------------|---------------------------|
| Sockets | | |
| CR-U2S | for 2 c/o contacts + module | 1SVR 405 670 R0000 |
| CR-U3S | for 3 c/o contacts + module | 1SVR 405 660 R0000 |
| CR-U3E | for 3 c/o contacts | 1SVR 405 660 R0100 |
| CR-U2SM | for 2 c/o contacts (small version) | 1SVR 405 670 R1100 |
| CR-U3SM | for 3 c/o contacts (small version) | 1SVR 405 660 R1100 |
| Socket accessories | | |
| CR-UH | Metal holder | 1SVR 405 669 R0000 |

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CR-U2S

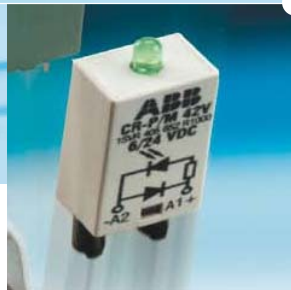
2CDC 291 044 F0004



CR-U3S

³⁾ can be removed if necessary

Bold printed order code = stocked product
Packing unit = 10 pieces



Pluggable modules for CR-P and CR-M relays

| Type | Rated control supply voltage | Version | Order code |
|--|------------------------------|------------------------|---------------------------|
| Diode - reverse polarity protection / free wheeling diode | | | |
| CR-P/M 22 | 6-230 V DC | A1+, A2- | 1SVR 405 651 R0000 |
| Diode and LED - reverse polarity protection / free wheeling diode | | | |
| CR-P/M 42 | 6-24 V DC | red, A1+, A2- | 1SVR 405 652 R0000 |
| CR-P/M 42V | 6-24 V DC | green, A1+, A2- | 1SVR 405 652 R1000 |
| CR-P/M 42B | 24-60 V DC | red, A1+, A2- | 1SVR 405 652 R4000 |
| CR-P/M 42BV | 24-60 V DC | green, A1+, A2- | 1SVR 405 652 R4100 |
| CR-P/M 42C | 110-230 V DC | red, A1+, A2- | 1SVR 405 652 R9000 |
| CR-P/M 42CV | 110-230 V DC | green, A1+, A2- | 1SVR 405 652 R9100 |
| RC element - spark quenching | | | |
| CR-P/M 52B | 6-24 V AC | | 1SVR 405 653 R0000 |
| CR-P/M 52D | 24-60 V AC | | 1SVR 405 653 R4000 |
| CR-P/M 52C | 110-230 V AC | | 1SVR 405 653 R1000 |
| Diode and LED | | | |
| CR-P/M 62 | 6-24 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 654 R0000 |
| CR-P/M 62V | 6-24 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 654 R1000 |
| CR-P/M 62E | 24-60 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 654 R4000 |
| CR-P/M 62EV | 24-60 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 654 R4100 |
| CR-P/M 92 | 110-230 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 654 R0100 |
| CR-P/M 92V | 110-230 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 654 R1100 |
| Varistor and LED - overvoltage protection | | | |
| CR-P/M 62C | 6-24 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 655 R0000 |
| CR-P/M 62CV | 6-24 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 655 R0100 |
| CR-P/M 62D | 24-60 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 655 R4000 |
| CR-P/M 62DV | 24-60 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 655 R4100 |
| CR-P/M 92C | 110-230 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 655 R0100 |
| CR-P/M 92CV | 110-230 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 655 R1100 |
| Varistor - overvoltage protection | | | |
| CR-P/M 72 | 24 V AC | | 1SVR 405 656 R0000 |
| CR-P/M 72A | 115 V AC | | 1SVR 405 656 R1000 |
| CR-P/M 82 | 230 V AC | | 1SVR 405 656 R2000 |
| Pluggable time modules | | | |
| CR-P/M T1 | 12-24 V AC/DC | ON-delay | 1SVR 405 657 R0000 |
| CR-P/M T2 | 12-24 V AC/DC | Impulse-ON | 1SVR 405 657 R0100 |



Pluggable modules for CR-U relays

| Type | Rated control supply voltage | Version | Order code |
|--|------------------------------|------------------------|---------------------------|
| Diode - reverse polarity protection / free wheeling diode | | | |
| CR-U 41 | 6-230 V DC | A1+, A2- | 1SVR 405 661 R0000 |
| Diode and LED - reverse polarity protection / free wheeling diode | | | |
| CR-U 41 | 6-24 V DC | red, A1+, A2- | 1SVR 405 662 R0000 |
| CR-U 41V | 6-24 V DC | green, A1+, A2- | 1SVR 405 662 R1000 |
| CR-U 41B | 24-60 V DC | red, A1+, A2- | 1SVR 405 662 R4000 |
| CR-U 41BV | 24-60 V DC | green, A1+, A2- | 1SVR 405 662 R4100 |
| CR-U 41C | 110-230 V DC | red, A1+, A2- | 1SVR 405 662 R9000 |
| CR-U 41CV | 110-230 V DC | green, A1+, A2- | 1SVR 405 662 R9100 |
| RC element - spark quenching | | | |
| CR-U 51B | 6-24 V AC | | 1SVR 405 663 R0000 |
| CR-U 51D | 24-60 V AC | | 1SVR 405 663 R4000 |
| CR-U 51C | 110-230 V AC | | 1SVR 405 663 R1000 |
| Diode and LED | | | |
| CR-U 61 | 6-24 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 664 R0000 |
| CR-U 61V | 6-24 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 664 R1000 |
| CR-U 61E | 24-60 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 664 R4000 |
| CR-U 61EV | 24-60 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 664 R4100 |
| CR-U 91 | 110-230 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 664 R0100 |
| CR-U 91V | 110-230 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 664 R1100 |
| Varistor and LED - overvoltage protection | | | |
| CR-U 61C | 6-24 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 665 R0000 |
| CR-U 61CV | 6-24 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 665 R0100 |
| CR-U 61D | 24-60 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 665 R4000 |
| CR-U 61DV | 24-60 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 665 R4100 |
| CR-U 91C | 110-230 V AC/DC | red, at DC: A1+, A2- | 1SVR 405 665 R0100 |
| CR-U 91CV | 110-230 V AC/DC | green, at DC: A1+, A2- | 1SVR 405 665 R1100 |
| Varistor - overvoltage protection | | | |
| CR-U 71 | 24 V AC | | 1SVR 405 666 R0000 |
| CR-U 71A | 115 V AC | | 1SVR 405 666 R1000 |
| CR-U 81 | 230 V AC | | 1SVR 405 666 R2000 |
| Multifunctional time module | | | |
| CR-U T | 24-240 V AC/DC | | 1SVR 405 677 R0000 |

All CR-P/M modules - except time modules CR-P/M T... - can be plugged onto all CR-P or CR-M sockets.

The time modules CR-P/M T... can be plugged onto the following sockets only: CR-PLSx, CR-PLC und CR-M2LS, CR-M3LS, CR-M4LS, CR-M2LC, CR-M4LC.

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