## IEC Power Devices

Mini Control Relays Overview
C-2000
Contact Rating A600, Q300

## Control Relays

- Relays are suitable for use on alternating current (ac) control circuits up to 600 volts, and dc control circuits up to 240 Volts.
-All terminals are marked in accordance to EN50011.
-Control relays may be mounted on 35 mm DIN rail EN5002235 , or may be panel-mounted using two or four \#8 screws in diagonal corners.
-Screw and quick-connect terminals are protected against accidental contact in accordance with VDE0106T. 100 and VBG4.
-Low-coil wattage requirement makes relay ideal for most applications. ( 24 Vdc PLC interface versions are available.) -A wide range of accessories, including front-mounted auxiliary contact blocks, side-mounted auxiliary contact blocks, a timer, and surge suppressors, are easily installed on relays.


## PLC Compatible Control Relays

## Low Coil Wattage Control Relays

While the standard line of MCRC dc operated relays requires only 3 watts coil holding current, some PLC applications require lower wattage coils to efficiently interface with the PLC. Special relays are available with 24 Vdc coils which only require 1.2 or 2 watts for pull in and holding. These relays are available with screw terminal configuration.
-All terminals are dual marked in accordance to EN50012, and U.S. marking standards.
-Relay may be mounted on 35 mm DIN rail EN50022-35, or may be panel-mounted using two \#8 screws in diagonal corners.
-Screw-type terminals are protected against accidental contact in accordance with VDE0106T. 100 and VBG4.

## Reference Publications

## Intructions

GEH-5475 MC Mini-Contactor/MTO Thermal-Overload Relay. U.S. version
GEH-5931 MC Mini-Contactor Global Instructions
GEH-5932 MTO Thermal-Overload Relay Global Instructions


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## IEC Power Devices

## Mini Control Relays Selection

C-2000
Contact Rating A600, Q300

Contact Arrangement/
Terminal Numbers per EN 50011


$$
3 \text { NO-1 NC }
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## IEC Power Devices

Mini Control Relays and Accessories
C-2000
Contact Rating A600, Q300

PLC Control Relays-Standard Screw Type Terminals

| Contact Configuration | Coil Voltage | Coil Wattage | Product Number | List Price <br> GO-10A1 |
| :--- | :---: | :---: | :---: | :---: |
| $2 N O-2 N C$ | 24 VDC | $1.2 w$ | MCRIO22ATD | $\$ 48.00$ |
| 3 NO-1NC | 24 VDC | $1.2 w$ | MCRIO31ATD | $\$ 48.00$ |
| 4 NO | 24 VDC | $1.2 w$ | MCRIO40ATD | $\$ 48.00$ |
| 2 NO-2NC | 24 VDC | $2 w$ | MCRK022ATD | $\$ 48.00$ |
| 3 NO-1NC | 24 VDC | $2 w$ | MCRK031ATD | $\$ 48.00$ |
| 4 NO | 24 VDC | $2 w$ | MCRKO40ATD | $\$ 48.00$ |

Minimum order is 140 pieces. Packaged in multiples of 10 units. Each product number represents one unit.


2-Pole Front-Mounted Auxiliary Contact Block MARN2/MACN2

4-Pole Front-Mounted Auxiliary Contact Block MARN4/MACN4

Front-Mounted Auxiliary Contact Blocks

| Contact Configuration | For Use With | Product Number | List Price <br> GO-10A1 | Approx. Weight Each |
| :--- | :---: | :---: | :---: | :---: |
| 2NO | Relays | MARN220AT | $\$ 12.00$ | 1 oz. |
| 1NO-1NC | Relays | MARN211AT | $\$ 12.00$ | 1 oz . |
| 2NC | Relays | MARN202AT | $\$ 12.00$ | 1 oz . |
| 4NO | Relays | MARN440AT | $\$ 22.00$ | 2 oz. |
| 3NO-1NC | Relays | MARN431AT | $\$ 22.00$ | 2 oz. |
| 2NO-2NC | Relays | MARN422AT | $\$ 22.00$ | 2 oz. |
| 1NO-3NC | Relays | MARN413AT | $\$ 22.00$ | 2 oz. |
| $4 N C$ | Relays | MARN404AT | $\$ 22.00$ | 2 oz. |

Packaged in multiples of 10 units. Each product number represents one unit.
Front-mounted contacts may be combined with side auxiliary contacts for a total maximum number of six added auxiliary contacts.

Contact Arrangement/ Terminal Numbers per EN 50005

| $\perp^{53}$ | $\perp^{63}$ |
| :---: | :---: |
| $\Gamma_{54}$ | $\Gamma_{64}$ |
| MARN220AT |  |



MARN211AT


MARN202AT



[^0]:    AC Operated Control Relay

