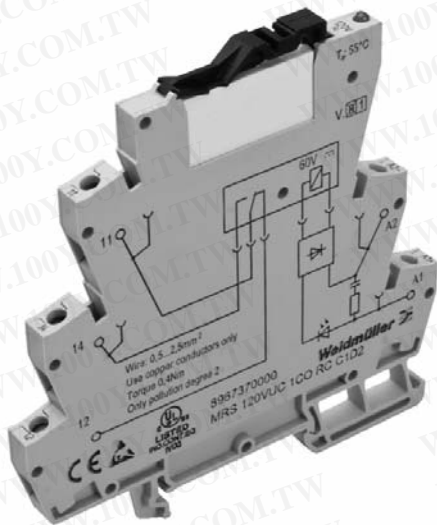


MICROSERIES C1D2 Relays

勝特力材料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

NEW



The MICROSERIES C1D2 Relay module can be used as a universal interface between the controller and the actuator to switch small and medium-sized loads.

- C1D2 approved for use in hazardous locations
- Relay module interchangeable
- Space-saving 6.1 mm width
- Pluggable cross-connection at input and output minimizes the wiring workload
- VUC versions accept AC and DC input, reducing variations in inventory
- Integrated RC circuit at input available, protecting from leakage current on control side
- Integrated polarity protection for quick and safe installation of the relays
- Integrated LED status indicators for easy and instant troubleshooting and minimized machine downtime

Canada

Weidmüller, Canada
10 Spy Court
Markham, Ontario L3R 5H6
Telephone: (800) 268-4080
Facsimile: (905) 475-2798
Email: info1@weidmuller.ca
Website: www.weidmuller.ca

Mexico

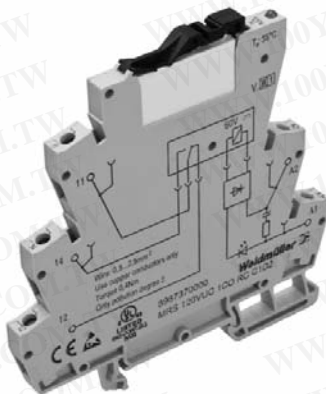
Weidmüller, Mexico
Blvd. Hermanos Serdán 698
Col. San Rafael Oriente
Puebla, Puebla, Mexico
C.P. 72029
Telephone: 01 222 2686267
Facsimile: 01 222 2686219
Email: clientes@weidmuller.com.mx
Website: www.weidmuller.com.mx

United States

Weidmüller
821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
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Email: info@weidmuller.com
Website: www.weidmuller.com

Weidmüller 

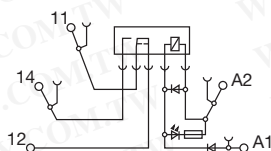
1 change-over contact
AC/DC/UC coil



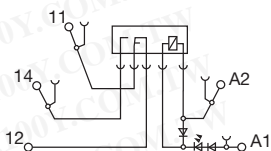
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Technical data

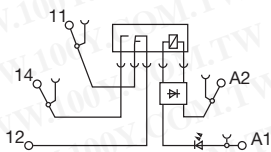
(12 V DC)



(24 V DC)



(24 V UC)



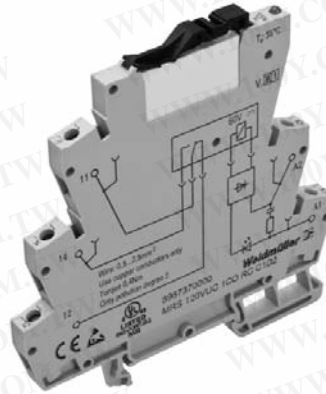
| Output | |
|---|-------------------------------------|
| max. switching voltage AC1/Continuous current | 250 V/6 A |
| min. switching power | 12 V / 100 mA |
| Response time / Drop-out time | 6.2ms/3.9ms |
| Contact base material | AgSnO |
| Mechanical endurance | 20*10 ⁶ switching cycles |
| max. switching frequency at rated load | 0.1 Hz |
| Rated data | |
| Status indicator/Free wheel diode | green LED/Yes |
| Reverse pol. prot | available |
| Ambient temperature (operational) | -25 °C...+50 °C |
| Storage temperature | -40 °C...+60 °C |
| Humidity | 40°C/93% RH, no condensation |
| Approvals | CE; cULus; C1D2 |
| Insulation coordination (EN 50178) | |
| Standards | EN 50178 |
| Rated voltage | 300 V |
| Impulse withstand voltage | 4 kV |
| Clearance and creepage distances for control/load side | ≥ 5.5 mm |
| Surge category | III |
| Pollution severity | 2 |
| Protective separation to VDE 0106 part 101 | Yes |
| Dimensions | |
| Clamping range (rating- / min. / max.) | mm ² 2.5 / 0.5 / 4 |
| Length x width x height | mm 93 / 6.1 / 92 |
| Screw connection | |
| Clamping range (rating- / min. / max.) | mm ² 2.5 / 0.5 / 4 |
| Length x width x height | mm 93 / 6.1 / 92 |
| Note | |
| Cross-connectors and markers - refer to MICROSERIES accessories | |

Ordering data

| Input | 12 VDC 1CO | 24 V DC 1CO | 24 V UC 1CO |
|--|--------------------------------|--------------------------------|--------------------------------|
| Rated voltage | 12 V DC ±20% | 24 V DC ±20 % | 24 V UC ±10 % |
| Rated current AC | | | 11 mA |
| Rated current DC | 17 mA | 6.6mA | 6.4 mA |
| Power rating | 210 mW | 160 mW | 154 mW |
| AC Response/dropout Volt | | | 15.8V/7V |
| DC Response/dropout Volt | 6.4V/ 2.5V | 15.4V/6.5V | 15.8V/7V |
| AC pickup/dropout current | | | 3.6mA/1.3mA |
| DC pickup/dropout current | 8.4mA/2.4mA | 4mA/1.2mA | 3.6mA/1.3mA |
| Relay with socket | | | |
| Screw connection | Type MRS 12Vdc 1CO C1D2 | Type MRS 24Vdc 1CO C1D2 | Type MRS 24Vuc 1CO C1D2 |
| | Order No. 8967340000 | Order No. 8967350000 | Order No. 8967360000 |
| Spare relay (pluggable)* | | | |
| | Type RSS113012 12Vdc-Rel1U | Type RSS113024 24Vdc-Rel1U | Type RSS113024 24Vdc-Rel1U |
| | Order No. 4061610000 | Order No. 4060120000 | Order No. 4060120000 |
| Note | | | |
| *Spare relays do not feature individual C1D2 approval. | | | |

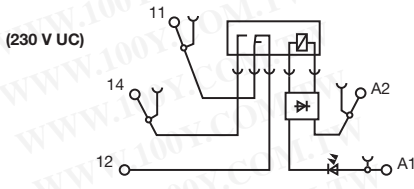
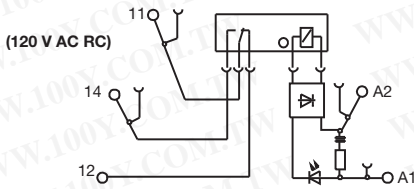
**1 change-over contact
AC/DC/UC coil**

- 120 VAC RC version:
RC circuit at the input guarantees safe switching thresholds, e.g. for leakage currents on the control side



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Technical data



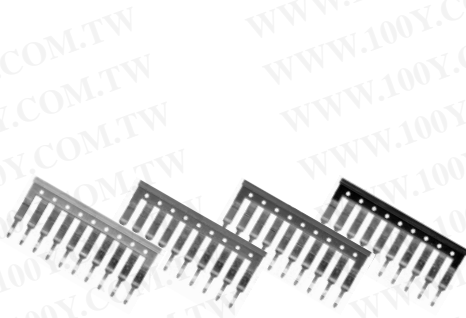
| Output | |
|---|-------------------------------------|
| max. switching voltage AC1/Continuous current | 250 V/6 A |
| min. switching power | 12 V / 100 mA |
| Response time / Drop-out time | 6.6ms/5.8ms |
| Contact base material | AgSnO |
| Mechanical endurance | 20*10 ⁶ switching cycles |
| max. switching frequency at rated load | 0.1 Hz |
| Rated data | |
| Status indicator/Free wheel diode | green LED/Yes |
| Reverse pol. prot | available |
| Ambient temperature (operational) | -25 °C...+55 °C |
| Storage temperature | -40 °C...+60 °C |
| Humidity | 40°C/93% RH, no condensation |
| Approvals | CE; cULus; C1D2 |
| Insulation coordination (EN 50178) | |
| Standards | EN 50178 |
| Rated voltage | 300 V |
| Impulse withstand voltage | 4 kV (1.2/50 µs) |
| Clearance and creepage distances for control/load side | ≥ 5.5 mm |
| Surge category | III |
| Pollution severity | 2 |
| Protective separation to VDE 0106 part 101 | |
| Dimensions | |
| Clamping range (rating- / min. / max.) | mm ² 2.5 / 0.5 / 4 |
| Length x width x height | mm 93 / 6.1 / 92 |
| Note | |
| Cross-connectors and markers - refer to MICROSERIES accessories | |

Ordering data

| Input | 120 V AC 1CO RC | 230 V UC 1CO | |
|--|-----------------------|------------------------|-----------------------|
| Rated voltage | 120 V AC +10 %/ -15 % | 230 V UC +10 % / -15 % | |
| Rated current AC | 7 mA | 3.5 mA | |
| Rated current DC | | 2.9 mA | |
| Power rating | 0.84 VA | 0.8 VA / 660 mW | |
| AC Response/dropout Volt | 79 V / 65 V | 146 V / 124 V | |
| DC Response/dropout Volt | | 155 V / 115 V | |
| AC pickup/dropout current | 4.5 mA / 3.7 mA | 1.9 mA / 1.5 mA | |
| DC pickup/dropout current | | 1.9 mA / 1.0 mA | |
| Relay with socket | | | |
| Screw connection | Type | MRS 120VUC 1CO RC C1D2 | MRS 230VUC 1CO C1D2 |
| | Order No. | 8967370000 | 8967380000 |
| Spare relay (pluggable)* | | | |
| | Type | RSS113060 60Vdc-Rel1U | RSS113060 60Vdc-Rel1U |
| | Order No. | 4061630000 | 4061630000 |
| Note | | | |
| *Spare relays do not feature individual C1D2 approval. | | | |

Accessories

General data - MICROSERIES



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Plug-in cross-connection

| Type | No. of poles | Qty | Order No. |
|----------------|--------------|-----|------------|
| yellow | | | |
| ZQV 4N / 2 GE | 2 | 60 | 1758250000 |
| ZQV 4N / 3 GE | 3 | 60 | 1762630000 |
| ZQV 4N / 4 GE | 4 | 60 | 1762620000 |
| ZQV 4N / 10 GE | 10 | 20 | 1758260000 |
| ZQV 4N / 20 GE | 20 | 20 | 1909020000 |
| red | | | |
| ZQV 4N / 2 RT | 2 | 60 | 1793950000 |
| ZQV 4N / 3 RT | 3 | 60 | 1793980000 |
| ZQV 4N / 4 RT | 4 | 60 | 1794010000 |
| ZQV 4N / 10 RT | 10 | 20 | 1794040000 |
| ZQV 4N / 20 RT | 20 | 20 | 1909150000 |
| blue | | | |
| ZQV 4N / 2 BL | 2 | 60 | 1793960000 |
| ZQV 4N / 3 BL | 3 | 60 | 1793990000 |
| ZQV 4N / 4 BL | 4 | 60 | 1794020000 |
| ZQV 4N / 10 BL | 10 | 20 | 1794050000 |
| ZQV 4N / 20 BL | 20 | 20 | 1909100000 |
| black | | | |
| ZQV 4N / 2 SW | 2 | 60 | 1793970000 |
| ZQV 4N / 3 SW | 3 | 60 | 1794000000 |
| ZQV 4N / 4 SW | 4 | 60 | 1794030000 |
| ZQV 4N / 10 SW | 10 | 20 | 1794060000 |
| ZQV 4N / 20 SW | 20 | 20 | 1909120000 |

Technical data

| Conductor | | Screw connection |
|--|-----------------|------------------|
| Solid H07V-U | mm ² | 0.5 ... 4.0 |
| Stranded H07V-K | mm ² | 0.5 ... 2.5 |
| "f" with wire end ferrules to DIN 46228-1 | mm ² | 0.5 ... 1.5 |
| "f" with wire end ferrules with plastic collar | mm ² | 0.5 ... 1.5 |
| Max. clamping range | mm ² | 0.13 ... 4.0 |
| Plug gauge to IEC 60947-1 | size | A 3 |
| General technical data | | |
| Nominal torque | | 0.6 |
| Continuous current for 2-pole cross-connection | A | 10 |
| Continuous current for multi-pole cross-connection | A | 10 |
| Stripping length | mm | 7 |
| Ingress protection class | | IP 20 |
| Housing material | | Wemid |
| UL 94 flammability rating | | V-0 |
| Nominal current | A | 6 |
| Nominal voltage | V | 250 |

Other accessories

| Type | | Qty | Order No. |
|--------------------------|------------------|-----|------------|
| Markers | | | |
| WS 12/6 | 12 x 6 mm | 600 | 1609900000 |
| Labels, Lasermark | | | |
| LM MT 300 15/6 ge | 484 labels/sheet | 10 | 1686360000 |
| Screwdriver | | | |
| SD 0,6 x 3,5 x 100 | | 10 | 9008330000 |

Dimensions

