



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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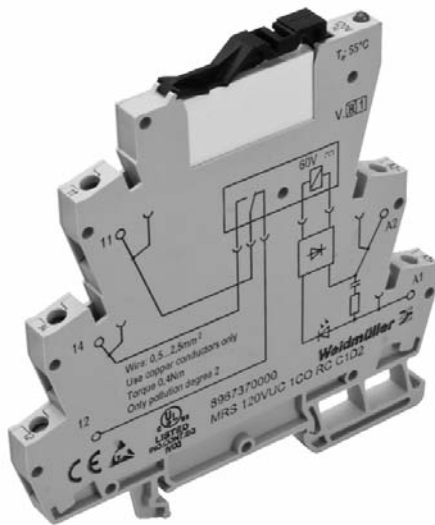
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MICROSERIES C1D2 Relays

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

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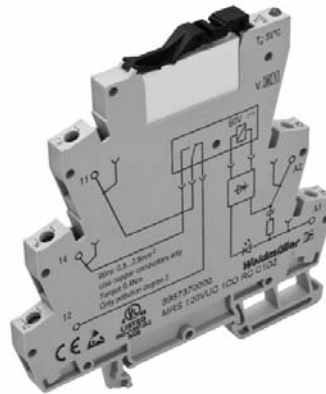
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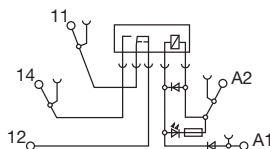
Weidmüller 

1 change-over contact
AC/DC/UC coil

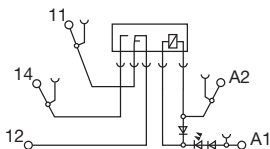


Technical data

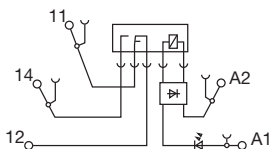
(12 V DC)



(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

Note

Cross-connectors and markers - refer to MICROSERIES accessories

Ordering data

Input	
Rated voltage	
Rated current AC	
Rated current DC	
Power rating	
AC Response/dropout Volt	
DC Response/dropout Volt	
AC pickup/dropout current	
DC pickup/dropout current	
Relay with socket	
Screw connection	Type
	Order No.
Spare relay (pluggable)*	
	Type
	Order No.
Note	

*Spare relays do not feature individual C1D2 approval.

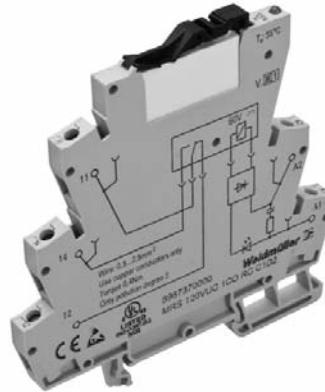
12 VDC 1CO
12 V DC ±20%
17 mA
210 mW
6.4V/ 2.5V
8.4mA/2.4mA
MRS 12Vdc 1CO C1D2
8967340000
RSS113012 12Vdc-Rel1U
4061610000

24 V DC 1CO
24 V DC ±20 %
6.6mA
160 mW
15.4V/6.5V
4mA/1.2mA
MRS 24Vdc 1CO C1D2
8967350000
RSS113024 24Vdc-Rel1U
4060120000

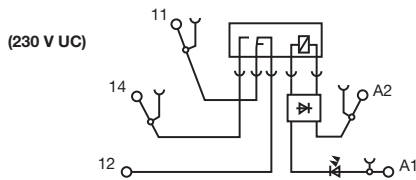
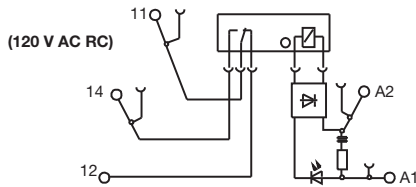
24 V UC 1CO
24 V UC ±10 %
11 mA
6.4 mA
154 mW
15.8V/7V
15.8V/7V
3.6mA/1.3mA
3.6mA/1.3mA
MRS 24Vuc 1CO C1D2
8967360000
RSS113024 24Vdc-Rel1U
4060120000

**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



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

Screw connection

Note Cross-connectors and markers - refer to MICROSERIES accessories

Ordering data

Input	
Rated voltage	
Rated current AC	
Rated current DC	
Power rating	
AC Response/dropout Volt	
DC Response/dropout Volt	
AC pickup/dropout current	
DC pickup/dropout current	
Relay with socket	
Screw connection	Type
	Order No.
Spare relay (pluggable)*	
	Type
	Order No.
Note	

120 V AC 1CO RC	
120 V AC + 10 % / -15 %	
7 mA	
0.84 VA	
79 V / 65 V	
4.5 mA / 3.7 mA	
Relay with socket	
MRS 120VUC 1CO RC C1D2	
8967370000	
Spare relay (pluggable)*	
RSS113060 60Vdc-Rel1U	
4061630000	

230 V UC 1CO	
230 V UC +10 % / -15 %	
3.5 mA	
2.9 mA	
0.8 VA / 660 mW	
146 V / 124 V	
155 V / 115 V	
1.9 mA / 1.5 mA	
1.9 mA / 1.0 mA	
Relay with socket	
MRS 230VUC 1CO C1D2	
8967380000	
Spare relay (pluggable)*	
RSS113060 60Vdc-Rel1U	
4061630000	

*Spare relays do not feature individual C1D2 approval.

Accessories

General data - MICROSERIES



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

