

Product data sheet

Specifications



Repacked current control relay,
Harmony Control Relays, 5A, 1CO,
overcurrent function, 250V AC DC

RM17JC00MWW



This repacked option saves 3.277 over the
standard condition

Main

Range of product	Harmony Control Relays
Relay type	Current control relay
Product or component type	Current control relay
Relay name	RM17JC
Relay monitored parameters	Overcurrent detection
Time delay type	Without
Switching capacity in VA	1250 VA
Minimum switching current	10 mA at 5 V DC
Maximum power consumption in VA	3 VA
Measurement range	2...20 A AC
Utilisation category	AC-12 conforming to IEC 60947-5-1 AC-13 conforming to IEC 60947-5-1 AC-14 conforming to IEC 60947-5-1 AC-15 conforming to IEC 60947-5-1 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1 DC-14 conforming to IEC 60947-5-1
Contacts type and composition	1 C/O

Complementary

Maximum switching voltage	250 V AC/DC
[Us] rated supply voltage	AC/DC
Supply voltage limits	20.4...264 V AC/DC
operating voltage tolerance	- 15 % + 10 % Un
Maximum power consumption in W	1 W
Control circuit frequency	40...70 Hz sinusoidal
Output contacts	1 C/O
Nominal output current	5 A
Maximum measuring cycle	30 ms measurement cycle as true rms value
Hysteresis	15 % fixed of threshold setting
delay at power up	0.5 s
Measurement accuracy	+/- 10 % of the full scale value
Repeat accuracy	+/- 0.5 % for input and measurement circuit

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Measurement error	+/- 0.05 %/°C with temperature variation < 1 % over the whole range with voltage variation
Response time	< 200 ms (in the event of a fault)
Polarity	Yes DC
Threshold setting	10...100 %
Input current	100000 mA permanent at 25 °C 300000 mA non repetitive < 3 s at 25 °C
Marking	CE : 73/23/EEC CE : EMC 89/336/EEC
Overvoltage category	III conforming to IEC 60664-1
Insulation resistance	> 500 MOhm at 500 V DC conforming to IEC 60255-5 > 500 MOhm at 500 V DC conforming to IEC 60664-1
[UI] rated insulation voltage	400 V conforming to IEC 60664-1
Insulation	Between supply and measurement
Operating position	Any position without derating
Connections - terminals	Screw terminals, 1 x 0.5...1 x 4 mm ² (AWG 20...AWG 11) solid without cable end Screw terminals, 2 x 0.5...2 x 2.5 mm ² (AWG 20...AWG 14) solid without cable end Screw terminals, 1 x 0.2...1 x 2.5 mm ² (AWG 24...AWG 12) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm ² (AWG 24...AWG 16) flexible with cable end
Tightening torque	0.6...1 N.m conforming to IEC 60947-1
Housing material	Polycarbonate
Local signalling	LED (green) for power ON LED (yellow) for relay ON
Mounting support	35 mm symmetrical DIN rail conforming to IEC 60715
Electrical durability	100000 cycles
Mechanical durability	30000000 cycles
Operating rate	<= 360 operations/hour full load
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz, non self-powered
Contacts material	Cadmium free
Width	17.5 mm
Control type	Without test button
Product weight	0.13 kg

Environment

Immunity to microbreaks	10 ms
Electromagnetic compatibility	Emission standard for industrial environments conforming to IEC 61000-6-4 Emission standard for residential, commercial and light-industrial environments conforming to IEC 61000-6-3 Immunity for industrial environments conforming to NF EN/IEC 61000-6-2
Standards	IEC 60255-6
Product certifications	GL C-Tick GOST UL CSA
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-20...50 °C
Relative humidity	95 % at 55 °C conforming to IEC 60068-2-30

Vibration resistance	0.35 mm (f= 5...57.6 Hz) conforming to IEC 60068-2-6 1 gn (f= 57.6...150 Hz) conforming to IEC 60255-21-1
Shock resistance	15 gn for 11 ms conforming to IEC 60255-21-1
IP degree of protection	IP20 (terminals) conforming to IEC 60529 IP30 (casing) conforming to IEC 60529
Pollution degree	3 conforming to IEC 60664-1
Dielectric test voltage	2 kV AC 50 Hz
Non-dissipating shock wave	4 kV

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.800 cm
Package 1 Width	9.700 cm
Package 1 Length	10.400 cm
Package 1 Weight	123.000 g

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

 Environmental footprint	
Lower carbon footprint	3 kg CO2 eq.

Use Better

 Materials and Substances	
SCIP Number	5e3fdf99-611b-4d07-ad17-6eba84ab488b
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer

 Lifetime extension	
Repair	No