Product data sheet
Characteristics

RM17JC00MW
current control relay, Harmony Control Relays, 5A, 1CO, overcurrent function, 250V AC DC



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
Control type	Without test button
Contacts type and composition	1 C/O

Complementary

[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz, non self-powered
Supply voltage limits	20.4…264 V AC/DC
Maximum power consumption in VA	3 VA
Maximum power consumption in W	1 W
Measurement range	2...20 A AC
Maximum measuring cycle	30 Ms measurement cycle as true rms value
Hysteresis	15 % fixed of threshold setting
Repeat accuracy	+/- 0.5 % for input and measurement circuit
Measurement error	+/- 0.05 %/°C with temperature variation < 1 % over the whole range with voltage variation
Time delay type	Without
Response time	< 200 ms (in the event of a fault)
Run-up delay at power-up	600 Ms
Output contacts	1 C/O
Nominal output current	5 A
Maximum switching voltage	250 V AC/DC
Switching capacity in VA	1250 VA
Minimum switching current	10 MA at 5 V DC
Electrical durability	100000 Cycles
Mechanical durability	30000000 Cycles
Control circuit voltage limits	- 15 % + 10 % Un
Control circuit frequency	40...70 Hz sinusoidal
Measurement accuracy	+/- 10 % of the full scale value
Polarity	Yes DC
Threshold setting	10...100 %
Input current	100000 MA permanent at 25 °C 300000 MA non repetitive < 3 s at 25 °C

Insulation	Between supply and measurement
Contacts material	Cadmium free

Environment

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 Immunity for industrial environments conforming to NF EN/IEC 61000-6-2
Standards	IEC 60255-6
Product certifications	GL[RETURN]C-Tick[RETURN]GOST[RETURN]UL[RETURN]CSA
Marking	CE : 73/23/EEC CE : EMC 89/336/EEC
Ambient air temperature for storage	-40…70 °C -40…70 °C
Ambient air temperature for operation	-20…50 °C
Relative humidity	95 % at 55 °C conforming to IEC 60068-2-30
IP degree of protection	IP20 (terminals) conforming to IEC 60529 IP30 (casing) conforming to IEC 60529
Pollution degree	3 conforming to IEC 60664-1
Overvoltage category	III conforming to IEC 60664-1
Dielectric test voltage	2 KV AC 50 Hz
Insulation resistance	> 500 MOhm at 500 V DC conforming to IEC 60255-5
[Ui] rated insulation voltage	400 V conforming to IEC 60664-1
Operating position	Any position without derating
Connections - terminals	Screw terminals, 1 x 0.5...1 x 4 mm² (20 AWG...11 AWG) solid without cable end Screw terminals, 2 x 0.5...2 x 2.5 mm² (20 AWG...14 AWG) solid without cable end Screw terminals, 1 x 0.2...1 x 2.5 mm² (24 AWG...12 AWG) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm² (24 AWG...16 AWG) 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
Height	90 Mm 88.9 Mm
Width	17.5 Mm 17.8 Mm
Depth	72 Mm 71.1 Mm
Net weight	0.11 Kg 0.11 Kg

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	117.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	32
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	4.200 Kg

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	38 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2.509626145112345
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.3270642168579112
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.000495623176979725
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	35.34068057485635
Carbon footprint of the use phase [B2, B3, B4, B6]	35 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.29903364027689533
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	38
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	5e3fdf99-611b-4d07-ad17-6eba84ab488b
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised