# Product data sheet
## Characteristics

# RM17UAS16
voltage control relay, Harmony Control Relays, 5A, 1CO, 20...80V AC DC



## Main

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|---|---|
| Range of product | Harmony Control Relays |
| Relay type | Voltage control relay |
| Product or component type | Voltage control relay |
| Relay name | RM17UAS |
| Relay monitored parameters | Overvoltage or undervoltage detection |
| Control type | Without test button |
| Contacts type and composition | 1 C/O |
| Product specific application | For single-phase and DC supply |

## Complementary

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|---|---|
| [Us] rated supply voltage | , self-powered |
| Supply voltage limits | 15…100 V AC/DC |
| Power consumption in VA | 0…3.9 VA AC |
| Measurement range | 20...80 V AC/DC |
| Maximum measuring cycle | 150 Ms measurement cycle as true rms value |
| Hysteresis | 5…20 % of threshold setting |
| Repeat accuracy | +/- 0.5 % for input and measurement circuit<br>+/- 1 % for time delay |
| Time delay type | Adjustable 0.1...10 s, 0 + 10 % Tt- time delay upon fault |
| Setting accuracy of time delay | 10 % |
| Reset time | 1500 Ms time delay |
| Run-up delay at power-up | 1000 Ms DC<br>500 Ms AC |
| 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 |
| Maximum switching current | 5 A AC/DC |
| Electrical durability | 100000 Cycles |
| Mechanical durability | 30000000 Cycles |
| Maximum power consumption in W | 1.6 W DC |
| Control circuit frequency | 50...60 Hz +/- 10 % |
| Measurement accuracy | +/- 10 % of the full scale value |
| Polarity | Non reversible polarity on DC supply |
| Quality labels | CE |

## Environment

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|---|---|
| Electromagnetic compatibility | Emission standard for industrial environments conforming to IEC 61000-6-4<br>Emission standard for residential, commercial and light-industrial environments conforming to IEC<br>Immunity for industrial environments conforming to NF EN/IEC 61000-6-2 |
| Standards | IEC 60255-6 |
| Product certifications | CSA[RETURN]GL[RETURN]UL[RETURN]GOST[RETURN]C-Tick |
| Directives | 73/23/EEC - low voltage directive<br>89/336/EEC - electromagnetic compatibility |
| Ambient air temperature for storage | -40…70 °C<br>-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<br>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, 1 min AC 50 Hz conforming to IEC 60255-5 |
| Insulation resistance | > 500 MOhm at 500 V DC conforming to IEC 60255-5 |
| [Ui] rated insulation voltage | 250 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<br>Screw terminals, 2 x 0.5...2 x 2.5 mm² (20 AWG...14 AWG) solid without cable end<br>Screw terminals, 1 x 0.2...2 x 2.5 mm² (24 AWG...12 AWG) flexible with cable end<br>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<br>LED (yellow) for relay ON |
| Mounting support | 35 mm symmetrical DIN rail conforming to IEC 60715 |
| Height | 90 Mm<br>88.9 Mm |
| Width | 17.5 Mm<br>17.8 Mm |
| Depth | 72 Mm<br>71.1 Mm |
| Net weight | 0.09 Kg<br>0.09 Kg |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.800 Cm |
| Package 1 Width | 7.900 Cm |
| Package 1 Length | 9.600 Cm |
| Package 1 Weight | 83.000 G |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 48 |
| Package 2 Height | 15.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 4.664 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 0 |
| Total lifecycle Carbon footprint | 30 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1.78033307730192 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.23201991452313356 |

| | |
|---|---|
| Carbon footprint of the distribution phase [A4] | 0.2 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.00035159592896852283 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 28.27254445988508 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 28 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.21213497558104538 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.2 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 30 |
| 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, wi |
| End of life manual availability | End Of Life Information |
| Take-back | No |

## Contractual warranty

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|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised