# Product data sheet Characteristics

# **RM17UAS16**

Harmony, Modular 1-phase voltage control relay, 5 A, 1 CO, 20...80 V AC/DC

Product availability: Non-Stock - Not normally stocked in distribution facility



Price\*: 138.00 USD



### Main

Man	
Range of product	Harmony Control Relays
Product or component type	Voltage control relay
Relay type	Voltage control relay
Product specific application	For single-phase and DC supply
Relay name	RM17UAS
Relay monitored parameters	Overvoltage or undervoltage detection Self-powered
Time delay	Adjustable 0.110 s, 0 + 10 % on crossing the threshold
Switching capacity in VA	1250 VA
Minimum switching current	10 mA 5 V DC
Maximum switching current	5 A AC/DC
Power consumption in VA	03.9 VA AC
Measurement range	2080 V voltage AC 50/60 Hz 2080 V voltage DC
Utilisation category	AC-12 IEC 60947-5-1 AC-13 IEC 60947-5-1 AC-14 IEC 60947-5-1 AC-15 IEC 60947-5-1 DC-12 IEC 60947-5-1 DC-13 IEC 60947-5-1 DC-14 IEC 60947-5-1
Contacts type and composition	1 C/O

### Complementary

Complementary		\$
Reset time	1500 ms time delay	
Maximum switching voltage	250 V AC/DC	
[Us] rated supply voltage	2448 V AC/DC 50/60 Hz +/- 10 %	Ę

<sup>\*</sup> Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Supply voltage limits		
Immunity to microbreaks	Supply voltage limits	15100 V AC/DC
Control circuit frequency         5060 Hz + /- 10 %           Output contacts         1 C/O           Nominal output current         5 A           Maximum measuring cycle         150 ms measurement cycle as true rms value           Hysteresis         520 % threshold setting           Delay at power up         1000 ms DC           500 ms AC	Maximum power consumption in W	1.6 W DC
Output contacts         1 C/O           Nominal output current         5 A           Maximum measuring cycle         150 ms measurement cycle as true rms value           Hysteresis         520 % threshold setting           Delay at power up         1000 ms DC           500 ms AC         600 ms AC           Measurement accuracy         +/- 10 % of the full scale value           Repeat accuracy         +/- 0.5 % input and measurement circuit           +/- 1 % time delay           Measurement error         2 1 % over the whole range with voltage variation           Polarity         Non reversible polarity on DC supply           Quality labels         CE           Overvoltage category         III IEC 60664-1           Insulation resistance         > 500 MOhm 500 V DC IEC 60255-5           > 500 MOhm 500 V DC IEC 60664-1           (UI) rated insulation voltage         250 V IEC 60664-1           Operating position         Any position without deraiting           Connections - terminals         Screw terminals, 1 x v 0.s 1 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.s 2 x 2.5 mm² AWG 24AWG 13) flexible with cable end Screw terminals, 2 x 0.s 2 x 2.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.s 2 x 2.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.s 2 x 2.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.s.	Immunity to microbreaks	20 ms
Nominal output current 5 A  Maximum measuring cycle 150 ms measurement cycle as true rms value  Hysteresis 520 % threshold setting  Delay at power up 1000 ms DC 500 ms AC  Measurement accuracy 4/- 10 % of the full scale value  Repeat accuracy 4/- 10 % input and measurement circuit 4/- 1 % time delay  Measurement error 2 1 % over the whole range with voltage variation 0.2 % // C with temperature variation  Polarity Non reversible polarity on DC supply  Quality labels CE Overvoltage category III IEC 60684-1  Insulation resistance 500 MOhm 500 V DC IEC 60255-5 500 MOhm 500 V DC IEC 60265-5 500 MOhm 500 V DC IEC 60684-1  (I/I) rated insulation voltage 250 V IEC 60664-1  Any position without derating  Connections - terminals Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals of the complex of the co	Control circuit frequency	5060 Hz +/- 10 %
Maximum measuring cycle 150 ms measurement cycle as true rms value  Hysteresis 520 % threshold setting  Delay at power up 5000 ms DC 5000 ms AC  Measurement accuracy +/- 10 % of the full scale value  Repeat accuracy +/- 0.5 % input and measurement circuit +/- 1 % time delay  Measurement error      4/- 0.5 % input and measurement circuit +/- 1 % time delay  Measurement error      4 % over the whole range with voltage variation 0.2 %/*C with temperature variation  Polarity Non reversible polarity on DC supply  Cuality labels CE  Overvoltage category III IEC 60664-1  Insulation resistance > 500 MOhm 500 V DC IEC 60255-5 > 500 MOhm 500 V DC IEC 60255-5 > 500 MOhm 500 V DC IEC 60664-1  (Ui) rated insulation voltage 250 V IEC 60664-1  Operating position Any position without derating  Connections - terminals  Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.22 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw termina	Output contacts	1 C/O
Hysteresis 520 % threshold setting  Delay at power up 1000 ms DC 500 ms AC  Measurement accuracy +/- 10 % of the full scale value  Repeat accuracy +/- 10 % of the full scale value  Repeat accuracy +/- 10 % of the full scale value  Repeat accuracy +/- 10 % of the full scale value  Measurement error 0.1 % over the whole range with voltage variation 0.2 %/C with temperature variation  D.2 %/C with temperature variation  Polarity Non reversible polarity on DC supply  Quality labels CE  Overvoltage category III IEC 60664-1  Insulation resistance > 500 MOhm 500 V DC IEC 60255-5 > 500 MOhm 500 V DC IEC 60664-1  [Ui] rated insulation voltage 250 V IEC 60664-1  Qperating position Any position without derating  Connections - terminals Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 1 x 0.22 x 2.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16] flexible with cable end Screw terminals, 2 x 0.22 x	Nominal output current	5 A
Delay at power up  1000 ms DC 500 ms AC  Measurement accuracy  +/- 10 % of the full scale value  Repeat accuracy  +/- 0.5 % input and measurement circuit +/- 1 % time delay  Measurement error	Maximum measuring cycle	150 ms measurement cycle as true rms value
Soo ms AC   Measurement accuracy	Hysteresis	520 % threshold setting
Repeat accuracy  #/- 0.5 % input and measurement circuit #/- 1 % time delay  Measurement error  < 1 % over the whole range with voltage variation O.2 % C with temperature variation Polarity Non reversible polarity on DC supply Quality labels CE Overvoltage category III IEC 60684-1 Insulation resistance  > 500 MOhm 500 V DC IEC 60255-5 > 500 MOhm 500 V DC IEC 60664-1 [Ui] rated insulation voltage 250 V IEC 60664-1 400 V IEC 60664-1 Operating position Any position without derating Connections - terminals Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 1 x 0.52 x 2.5 mm² AWG 20AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals Self-extinguishing plastic Local signalling for power ON LED (green) for relay ON LED (green) Mounting support 35 mm symmetrical DIN rail conforming to EN/IEC 60715 Electrical durability 30000000 cycles Mechanical durability 30000000 cycles Weith 0.69 in (17.5 mm) Net Weight 0.18 lb(US) (0.08 kg)	Delay at power up	
#/- 1 % time delay  Measurement error	Measurement accuracy	+/- 10 % of the full scale value
Polarity Non reversible polarity on DC supply  Quality labels CE  Overvoltage category III IEC 60664-1  Insulation resistance > 500 MOhm 500 V DC IEC 60255-5	Repeat accuracy	·
Quality labels         CE           Overvoltage category         III IEC 60664-1           Insulation resistance         > 500 MOhm 500 V DC IEC 60255-5           > 500 MOhm 500 V DC IEC 60664-1           [Ui] rated insulation voltage         250 V IEC 60664-1           Operating position         Any position without derating           Connections - terminals         Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 2 x 0.22 x 2.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 26AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 26AWG 17) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 26AWG 17) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 26AWG 17) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 26AWG 18) flexible with cable end Screw	Measurement error	
Overvoltage category         III IEC 60664-1           Insulation resistance         > 500 MOhm 500 V DC IEC 60255-5           > 500 MOhm 500 V DC IEC 60664-1           [Ui] rated insulation voltage         250 V IEC 60664-1           Operating position         Any position without derating           Connections - terminals         Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.22 x 2.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible end Screw terminals, 2 x 0.22 x 1.5 mm² A	Polarity	Non reversible polarity on DC supply
Insulation resistance  > 500 MOhm 500 V DC IEC 60255-5 > 500 MOhm 500 V DC IEC 60664-1  [Ui] rated insulation voltage  250 V IEC 60664-1  400 V IEC 60664-1  Operating position  Any position without derating  Connections - terminals  Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 1 x 0.22 x 1.5 mm² AWG 24AWG 16)	Quality labels	CE
Source   S	Overvoltage category	III IEC 60664-1
Any position Any position without derating  Connections - terminals  Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 1 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.22 x 2.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end  Tightening torque  5.318.85 lbf.in (0.61 N.m) IEC 60947-1  Housing material  Self-extinguishing plastic  Local signalling  for power ON LED (green) for relay ON LED (yellow)  Mounting support  35 mm symmetrical DIN rail conforming to EN/IEC 60715  Electrical durability  100000 cycles  Mechanical durability  30000000 cycles  Operating rate  <= 360 operations/hour full load  Width  0.69 in (17.5 mm)  Net Weight  0.18 lb(US) (0.08 kg)	Insulation resistance	
Connections - terminals  Screw terminals, 1 x 0.51 x 4 mm² AWG 20AWG 11) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.22 x 2.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end  Tightening torque  5.318.85 lbf.in (0.61 N.m) IEC 60947-1  Housing material  Self-extinguishing plastic  Local signalling  for power ON LED (green) for relay ON LED (yellow)  Mounting support  35 mm symmetrical DIN rail conforming to EN/IEC 60715  Electrical durability  100000 cycles  Mechanical durability  30000000 cycles  Operating rate  <= 360 operations/hour full load  Width  0.69 in (17.5 mm)  Net Weight  0.18 lb(US) (0.08 kg)	[Ui] rated insulation voltage	
Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.22 x 2.5 mm² AWG 24AWG 12) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² AWG 24AWG 16) flexible with cable end  Tightening torque 5.318.85 lbf.in (0.61 N.m) IEC 60947-1  Housing material Self-extinguishing plastic  Local signalling for power ON LED (green) for relay ON LED (yellow)  Mounting support 35 mm symmetrical DIN rail conforming to EN/IEC 60715  Electrical durability 100000 cycles  Mechanical durability 30000000 cycles  Operating rate <= 360 operations/hour full load  Width 0.69 in (17.5 mm)  Net Weight 0.18 lb(US) (0.08 kg)	Operating position	Any position without derating
Housing material  Self-extinguishing plastic  Local signalling  for power ON LED (green) for relay ON LED (yellow)  Mounting support  35 mm symmetrical DIN rail conforming to EN/IEC 60715  Electrical durability  100000 cycles  Mechanical durability  30000000 cycles  Operating rate  <= 360 operations/hour full load  Width  0.69 in (17.5 mm)  Net Weight  0.18 lb(US) (0.08 kg)	Connections - terminals	Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.22 x 2.5 mm² AWG 24AWG 12) flexible with cable end
Local signalling for power ON LED (green) for relay ON LED (yellow)  Mounting support 35 mm symmetrical DIN rail conforming to EN/IEC 60715  Electrical durability 100000 cycles  Mechanical durability 30000000 cycles  Operating rate <= 360 operations/hour full load  Width 0.69 in (17.5 mm)  Net Weight 0.18 lb(US) (0.08 kg)	Tightening torque	5.318.85 lbf.in (0.61 N.m) IEC 60947-1
for relay ON LED (yellow)           Mounting support         35 mm symmetrical DIN rail conforming to EN/IEC 60715           Electrical durability         100000 cycles           Mechanical durability         30000000 cycles           Operating rate         <= 360 operations/hour full load	Housing material	Self-extinguishing plastic
Electrical durability         100000 cycles           Mechanical durability         30000000 cycles           Operating rate         <= 360 operations/hour full load	Local signalling	1 (8 )
Mechanical durability         30000000 cycles           Operating rate         <= 360 operations/hour full load	Mounting support	35 mm symmetrical DIN rail conforming to EN/IEC 60715
Operating rate         <= 360 operations/hour full load	Electrical durability	100000 cycles
Width         0.69 in (17.5 mm)           Net Weight         0.18 lb(US) (0.08 kg)	Mechanical durability	30000000 cycles
Net Weight 0.18 lb(US) (0.08 kg)	Operating rate	<= 360 operations/hour full load
	Width	0.69 in (17.5 mm)
Compatibility code RM17	Net Weight	0.18 lb(US) (0.08 kg)
	Compatibility code	RM17

### Environment

Electromagnetic compatibility	Emission standard for industrial environments EN/IEC 61000-6-4 Emission standard for residential, commercial and light-industrial environments EN/IEC 61000-6-3 Immunity for industrial environments NF EN/IEC 61000-6-2
Standards	EN/IEC 60255-6
Product certifications	CSA GL UL GOST C-tick
Directives	73/23/EEC - low voltage directive 89/336/EEC - electromagnetic compatibility
Ambient air temperature for storage	-40158 °F (-4070 °C)
Ambient air temperature for operation	-4122 °F (-2050 °C)
Relative humidity	95 % 131 °F (55 °C) IEC 60068-2-30
Vibration resistance	0.35 mm 557.6 Hz)IEC 60068-2-6 1 gn 57.6150 Hz)IEC 60255-21-1
Shock resistance	5 gn IEC 60068-2-27
IP degree of protection	IP20 IEC 60529 terminals)

### IP30 IEC 60529 casing)

Pollution degree	3 IEC 60664-1	
Dielectric test voltage	2 kV AC 50 Hz, 1 min IEC 60255-5 2 kV AC 50 Hz, 1 min IEC 60664-1	
Non-dissipating shock wave	4 kV IEC 60255-5 4 kV IEC 60664-1 4 kV IEC 61000-4-5	

### Ordering and shipping details

Category	22380 - RELAYS-MEASUREMENT (RM17-RM35)
Discount Schedule	CP2
GTIN	03389119405119
Nbr. of units in pkg.	1
Package weight(Lbs)	3.10 oz (88 g)
Returnability	No
Country of origin	ID

### Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.10 in (2.8 cm)
Package 1 width	3.11 in (7.9 cm)
Package 1 Length	3.78 in (9.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	48
Package 2 Weight	10.28 lb(US) (4.664 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

### Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

### Contractual warranty

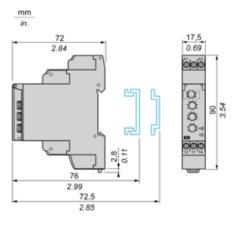
Warranty	18 months

#### Product data sheet **RM17UAS16**

# **Dimensions Drawings**

## Single-Phase and DC Voltage Control Relays

## **Dimensions and Mounting**



# Product data sheet Connections and Schema

# RM17UAS16

Single-Phase and DC Voltage Control Relays

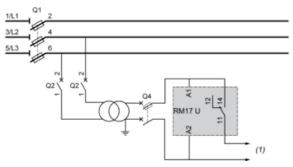
Wiring Diagram



# Product data sheet Connections and Schema

# RM17UAS16

### **Application Scheme**



(1) To sensitive loads

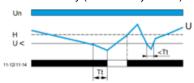
# Product data sheet Technical Description

## RM17UAS16

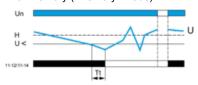
### **Function Diagrams**

### **Undervoltage Control**

### Without memory ("No Memory" mode)

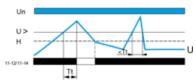


#### With memory ("Memory" mode)

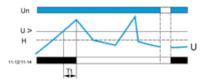


### Overvoltage Control

### Without memory ("No Memory" mode)



#### With memory ("Memory" mode)



### Legend

Tt Time delay after crossing of threshold

Un Nominal supply voltage

U Monitored supply voltage

H Hysteresis

U> Overvoltage threshold

U< Undervoltage threshold

11-12, 11-14 Output relay connections (refer to Connections and Schema)

Relay status: black color = energized.

NOTE: In "Memory" mode, the relay opens when crossing of the threshold is detected and then stays in that position. The power supply voltage must be switched off to reset the product.