Product data sheet
Characteristics

RM17UB310
voltage control relay, Harmony Control Relays, 5A, 1CO, 208...480V AC



Main

Range of product	Harmony Control Relays
Relay type	Voltage control relay
Product or component type	3-phase control relay
Relay name	RM17UB3
Relay monitored parameters	Overvoltage and undervoltage between phases
Control type	Without test button
Contacts type and composition	1 C/O
Product specific application	For 3-phase supply

Complementary

[Us] rated supply voltage	, self-powered
Supply voltage limits	183…528 V AC
Power consumption in VA	0…22 VA at 400 V AC 50 Hz
Measurement range	220...480 V AC
Voltage detection threshold	183 V
Maximum measuring cycle	150 Ms measurement cycle as true rms value
Threshold adjustment voltage	2...20 % of Un selected -2...-17 % in the range 220 V AC +2...+10 % in the range 480 V AC -2...-12 % in the range 208 V AC
Hysteresis	2 %
Repeat accuracy	+/- 0.5 % for input and measurement circuit +/- 1 % for time delay
Time delay type	Adjustable 0.3...30 s, 0 + 10 % Tt- time delay upon fault
Setting accuracy of time delay	10 %
Reset time	1500 Ms time delay
Response time	< 200 ms (in the event of a fault)
Run-up delay at power-up	650 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
Maximum switching current	5 A AC/DC
Electrical durability	100000 Cycles
Mechanical durability	30000000 Cycles
Control circuit frequency	50...60 Hz +/- 10 %

Measurement accuracy	+/- 10 % of the full scale value
Quality labels	CE

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 60255-1
Product certifications	GOST[RETURN]UL[RETURN]GL[RETURN]C-Tick[RETURN]CSA
Directives	89/336/EEC - electromagnetic compatibility 73/23/EEC - low voltage directive
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, 1 min 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...2 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
Safety reliability data	B10d = 470000 MTTFd = 502.2 years
Height	90 Mm 88.9 Mm
Width	17.5 Mm 17.8 Mm
Depth	72 Mm 71.1 Mm
Net weight	0.08 Kg 0.08 Kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.400 Cm
Package 1 Width	7.800 Cm
Package 1 Length	9.900 Cm
Package 1 Weight	87.000 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	4.675 Kg

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	98 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.8854370782510697
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2457174757419692
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.000372352797064255
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	95.41983755211216
Carbon footprint of the use phase [B2, B3, B4, B6]	95 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.22465860666956494
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	98
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	Ba9cbb5b-722a-41d2-b7d0-f60d5f3f104d
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