

**ENERGY AND AUTOMATION** 

			SLIM
Product designation			RELAY+SOCKET
Product type designation			HRA101
Contact characteristics			
Contact configuration			1 C/O
Rated insulation voltage Ui IEC/EN		V	250
Rated impulse withstand voltage Uimp		kV	4
IEC Conventional free air thermal current Ith		Α	6
Maximum instantaneous current		Α	20 (500ms)
Rated current (In)		Α	6
Max contrallable power in			
	AC-1	W	1500
	AC-15	VA	360
Rated operating power AC-1			
		VA	1500
Rated operating power AC-15			
	230 VAC	VA	360
Single-phase motor control			
	230VAC	kW	0.186
Rated operating current DC-1			
The second content of	30V	Α	6
	110V	Α	0.2
	220V	Α	0.12
Minimum switching load		V / mA	5 / 100
Contact impedance		mΩ	100
Contact material			Ag/Ni
Operating times			7 ig/1 ii
		ms	≤8
Closing		ms ms	≤8 ≤4
Closing Opening		ms ms	≤8 ≤4
Closing Opening Operations		ms	≤4
Closing Opening Operations Mechanical life		ms cycles	≤4 10000000
Closing Opening Operations Mechanical life Electrical life AC1		ms	≤4
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics		ms cycles cycles	≤4 10000000 30000
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket		cycles cycles	≤4 10000000 30000 220240VAC/DC
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C		ms cycles cycles	≤4 10000000 30000
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket	Closing	ms cycles cycles V W	≤4 10000000 30000 220240VAC/DC 0.2
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C	Closing	ms cycles cycles V W	≤4  10000000 30000  220240VAC/DC 0.2  ≥75
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range	Closing Opening	ms cycles cycles V W % Un % Un	≤4  10000000 30000  220240VAC/DC 0.2  ≥75 ≥5
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range  Maximum cycle frequency		ms cycles cycles V W	≤4  10000000 30000  220240VAC/DC 0.2  ≥75
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range  Maximum cycle frequency Mechanical features		ms cycles cycles V W % Un % Un cycles/h	≤4  10000000  30000  220240VAC/DC  0.2  ≥75  ≥5  10000
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range  Maximum cycle frequency Mechanical features Max socket terminal tightening torque		ms cycles cycles V W % Un % Un	≤4  10000000 30000  220240VAC/DC 0.2  ≥75 ≥5 10000  0.5
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range  Maximum cycle frequency Mechanical features Max socket terminal tightening torque Socket screw tightening tool (cross / flat blade)		ms cycles cycles V W % Un % Un cycles/h	≤4  10000000  30000  220240VAC/DC  0.2  ≥75  ≥5  10000
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range  Maximum cycle frequency Mechanical features Max socket terminal tightening torque Socket screw tightening tool (cross / flat blade) Conductor section		ms cycles cycles V W % Un % Un cycles/h	≤4  10000000 30000  220240VAC/DC 0.2  ≥75 ≥5 10000  0.5
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Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range  Maximum cycle frequency Mechanical features Max socket terminal tightening torque Socket screw tightening tool (cross / flat blade) Conductor section	Opening	ms cycles cycles V W % Un % Un cycles/h	≤4  10000000 30000  220240VAC/DC  0.2  ≥75 ≥5 10000  0.5 PH0 / 3.5mm
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range  Maximum cycle frequency Mechanical features Max socket terminal tightening torque Socket screw tightening tool (cross / flat blade) Conductor section  AWG/Kcmil	Opening	ms cycles cycles V W % Un % Un cycles/h	≤4  10000000 30000  220240VAC/DC 0.2  ≥75 ≥5 10000  0.5 PH0 / 3.5mm
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Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range  Maximum cycle frequency Mechanical features Max socket terminal tightening torque Socket screw tightening tool (cross / flat blade) Conductor section  AWG/Kcmil  IEC	Opening  min  max  min	ms cycles cycles V W % Un % Un cycles/h Nm	≤4  10000000 30000  220240VAC/DC 0.2  ≥75 ≥5 10000  0.5 PH0 / 3.5mm  20 16  0.5 1.5  Any
Closing Opening Operations Mechanical life Electrical life AC1 Coil characteristics Relay control voltage + socket Average coil consumption DC at 20°C Operating range  Maximum cycle frequency Mechanical features Max socket terminal tightening torque Socket screw tightening tool (cross / flat blade) Conductor section  AWG/Kcmil	Min max min max	ms cycles cycles V W % Un % Un cycles/h Nm	≤4  10000000 30000  220240VAC/DC 0.2  ≥75 ≥5 10000  0.5 PH0 / 3.5mm  20 16  0.5 1.5





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Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+70
	Storage temperature			
		min	°C	-40
		max	°C	+80
Other features				
Indication				Yes (on the socket)
Mechanical contact p	position indicator			No
Mechanical test actua	ator			No
ETIM classification				
ETIM 8.0				EC001437 - Switching relay