



Product designation

 SLIM  
 RELAY+SOCKET  
**HRA10**

Product type designation

Contact characteristics

Contact configuration

1 C/O

 Rated insulation voltage  $U_i$  IEC/EN

V 250

 Rated impulse withstand voltage  $U_{imp}$ 

kV 4

 IEC Conventional free air thermal current  $I_{th}$ 

A 6

Maximum instantaneous current

A 20 (500ms)

 Rated current ( $I_n$ )

A 6

Relay control voltage

V 24VAC/VDC

UL/CSA and IEC/EN 60947-5-1 designation

B300 – R300

UL rating

 6A 277VAC; 6A  
 30VDC

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

 30V A 6  
 110V A 0.2  
 220V A 0.12

Minimum switching load

V / mA 5 / 100

Contact impedance

mO 100

Contact material

Ag/Ni

Operating times

Closing

 ms  $\leq$  8

Opening

 ms  $\leq$  4

Operations

Mechanical life

cycles 10000000

Electrical life AC1

cycles 30000

Coil characteristics

Relay control voltage + socket

V 24VAC/DC

Average coil consumption DC at 20°C

W 0.2

Operating range

 Closing % Un  $\geq$  75  
 Opening % Un  $\geq$  5

Maximum cycle frequency

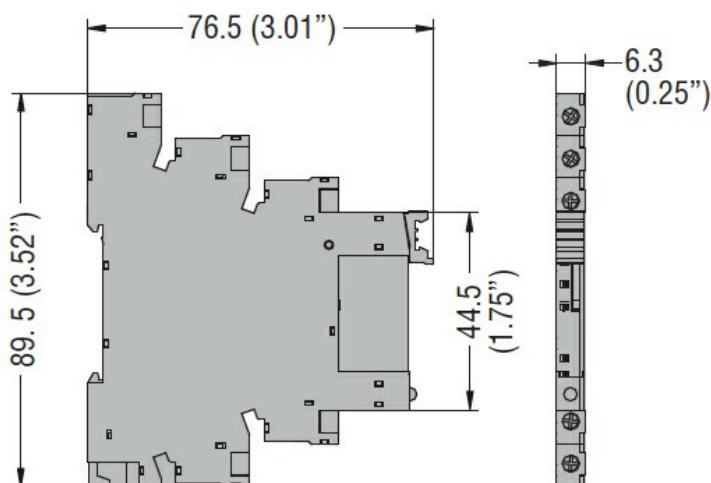
cycles/h 10000

Mechanical features

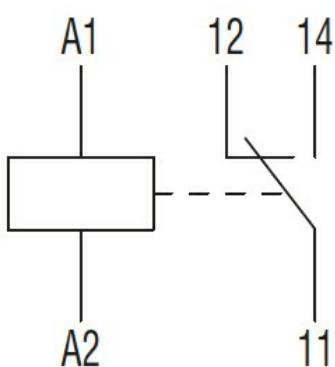
Max socket terminal tightening torque

Nm 0.5

Socket screw tightening tool (cross / flat blade)		PH0 / 3.5mm		
Conductor section				
AWG/Kcmil				
		min	20	
		max	16	
IEC				
		min	mm <sup>2</sup>	0.5
		max	mm <sup>2</sup>	1.5
Operating position		normal		Any
Fixing		On 35mm DIN rail		
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 position indicator		No		
Mechanical test actuator		No		
Dimensions				



## Wiring diagrams



**Certifications and compliance**

Compliance

IEC/EN 61810

Certificates

cURus

EAC

VDE

**ETIM classification**

ETIM 8.0

EC001437 -  
Switching relay