



Product designation

Assembled industrial relays  
HR604C

Product type designation

**Contact characteristics**

Contact configuration			4 C/O
Rated insulation voltage $U_i$ IEC/EN	V		500
Rated impulse withstand voltage $U_{imp}$	kV		4
IEC Conventional free air thermal current $I_{th}$	A		5
Rated current ( $I_n$ )	A		5
Relay control voltage	V		24VDC
Max contrrollable power in		AC-1	W 5
Rated operating power AC-1			VA 1250
Rated operating power AC-15		230 VAC	VA 150
Single-phase motor control		230VAC	kW 0.37
Rated operating current DC-1		30V	A 8
		110V	A 0.3
		220V	A 0.1
Minimum switching load		V / mA	5 / 100
Contact impedance		m $\Omega$	100
Contact material			Ag/Ni
<b>Operating times</b>			
Closing		ms	<25
Opening		ms	<25
<b>Operations</b>			
Mechanical life		cycles	20000000
Electrical life AC1		cycles	100000
<b>Coil characteristics</b>			
Average coil consumption AC at 20°C		VA	1.7
Average coil consumption DC at 20°C		W	1.1
Operating range		Closing	% $U_n$ 75...110
		Opening	% $U_n$ 10...30
Maximum cycle frequency		cycles/h	3600
<b>Mechanical features</b>			
Max socket terminal tightening torque		Nm	0.6
Socket screw tightening tool (cross / flat blade)			PH1 / 4.5mm
Conductor section			
	AWG/Kcmil		
		min	20
		max	14

IEC		min	mm <sup>2</sup>	0.5
		max	mm <sup>2</sup>	2.5
Operating position		normal		Any
Fixing		On 35mm DIN rail and with screw		
<b>Ambient conditions</b>				
Temperature				
Operating temperature		min	°C	-40
		max	°C	+70
Storage temperature		min	°C	-40
		max	°C	+80
<b>Other features</b>				
Indication		Yes		
Mechanical contact position indicator		Yes		
Mechanical test actuator		Yes		
<b>ETIM classification</b>				
ETIM 8.0		EC001437 - Switching relay		