



### Contact characteristics

Contact configuration	4 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 $I_{th} \leq 40^\circ\text{C}$	A	5	
Rated current ( $I_n$ )	A	5	
Max contrrollable power in	AC-1	W	1250
	AC-15	VA	150
Rated operating power AC-1		VA	1250
	230 VAC	VA	150
Rated operating power AC-15		VA	150
	230VAC	kW	0.37
Minimum switching load	30V	A	8
	110V	A	0.3
	220V	A	0.1
Single-phase motor control	V / mA	5 / 100	
Rated operating current DC-1	m $\Omega$	100	
Contact impedance	AgSnO <sub>2</sub>		
Contact material			

### Operating times

Closing	ms	<25
Opening	ms	<25

### Operations

Mechanical life	cycles	20000000
Electrical life AC1	cycles	100000

### Coil characteristics

Relay control voltage	V	24VAC
Average coil consumption AC at 20°C	VA	1.7
Average coil consumption DC at 20°C	W	1.1

### Operating range

Operating range	Closing	% $U_n$	70...110
	Opening	% $U_n$	20...55
Maximum cycle frequency	cycles/h	3600	

### Mechanical features

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

	max	mm <sup>2</sup>	2.5
Operating position	normal	Any	
Fixing	On 35mm DIN rail and with screw		

**Ambient conditions**

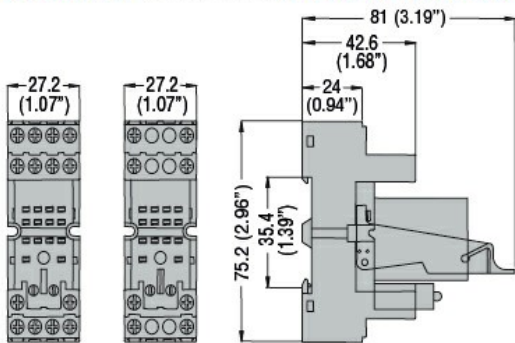
Temperature	Operating temperature		
	min	°C	-40
	max	°C	+70
Storage temperature			
	min	°C	-40
	max	°C	+80

**Other features**

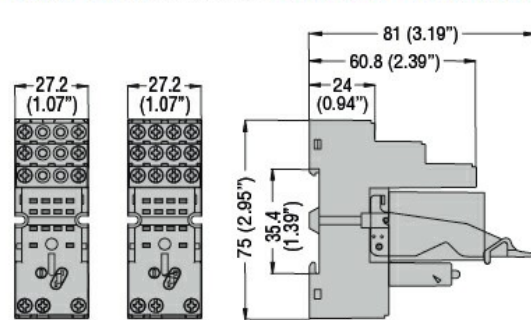
Indication	Yes
Mechanical contact position indicator	Yes
Mechanical test actuator	Yes

**Dimensions**

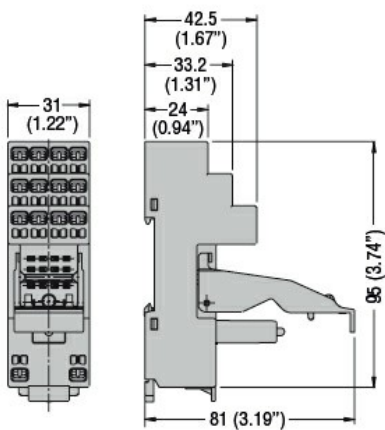
**HR60 2C... with socket HR6XS21 - HR6XS22**



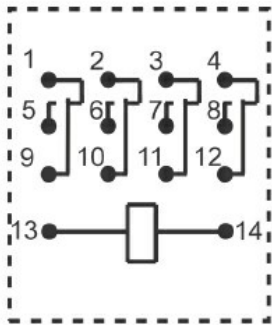
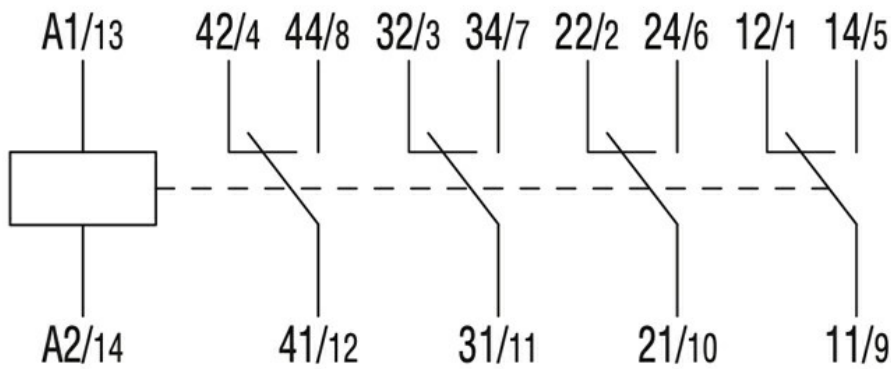
**HR60 4C... with socket HR6XS41 - HR6XS42**



**HR60 2C... - HR60 4C... with socket HR6XS21S - HR6XS41S**



**Wiring diagrams**



**Certifications and compliance**

Compliance

IEC/EN 61810

**ETIM classification**

ETIM 8.0

EC001437 -  
Switching relay