



Product designation

INDUSTRIAL
RELAYS

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 contrallable 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 110V 220V	A 8 A 0.3 A 0.1
Minimum switching load	V / mA	5 / 100
Contact impedance	mΩ	100
Contact material		Ag/Ni

Operating times

Closing	ms	<25
Opening	ms	<25

Operations

Mechanical life	cycles	20000000
Electrical life AC1	cycles	100000

Coil characteristics

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

Mechanical features

Max socket terminal tightening torque	Nm	0.6
Socket screw tightening tool (cross / flat blade)		PH1 / 4.5mm

Conductor section

AWG/Kcmil

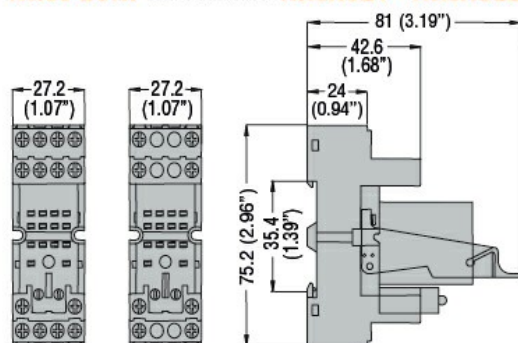
min	20
max	14

IEC

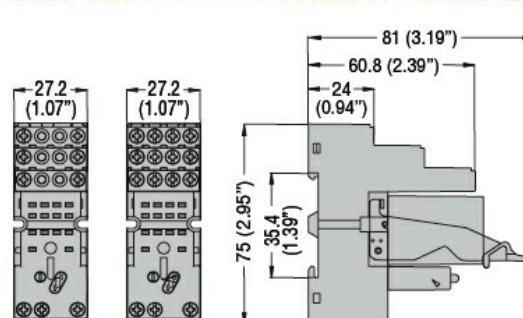
		min	mm ²	0.5
		max	mm ²	2.5
Operating position		normal		Any
Fixing		On 35mm DIN rail and with screw		
Ambient conditions				
Temperature				
	Operating temperature	min	°C	-40
		max	°C	+70
	Storage temperature	min	°C	-40
		max	°C	+80
Other features				
Indication		Yes		
Mechanical contact position indicator		Yes		
Mechanical test actuator		Yes		

Dimensions

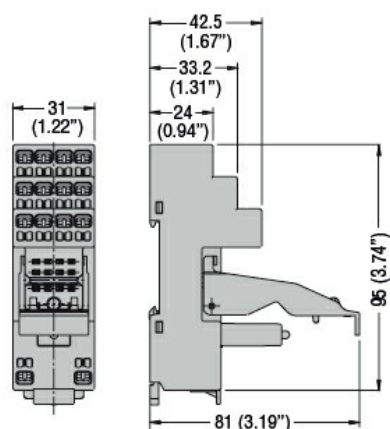
HR60 2C... with socket HR6XS21 - HR6XS22



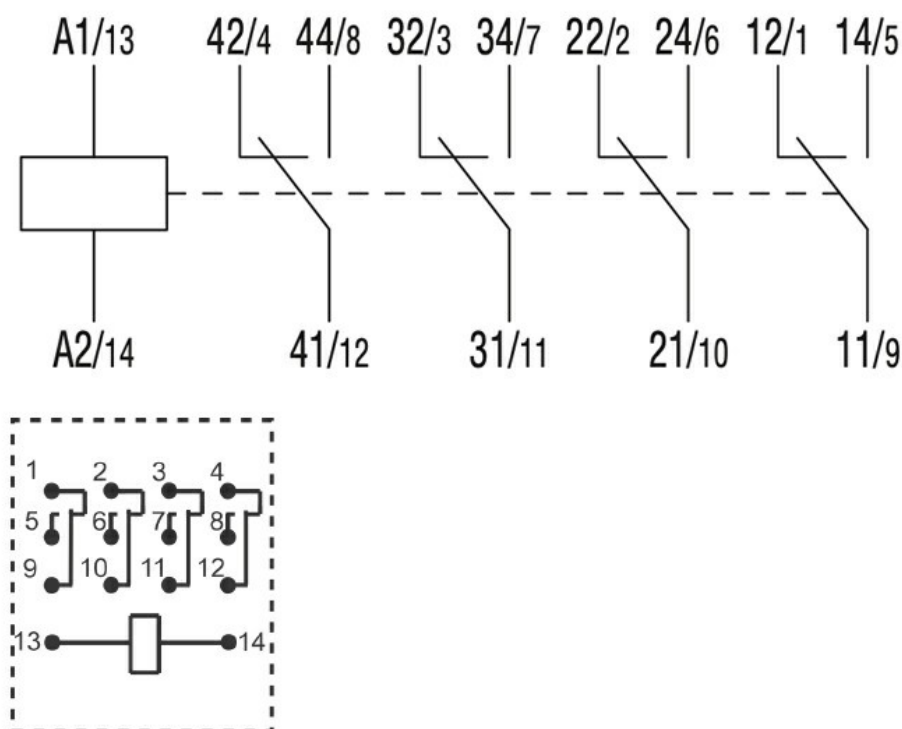
HR60 4C... with socket HR6XS41 - HR6XS42



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



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -
Switching relay