



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		12VDC
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	A	8
	110V	A	0.3
	220V	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

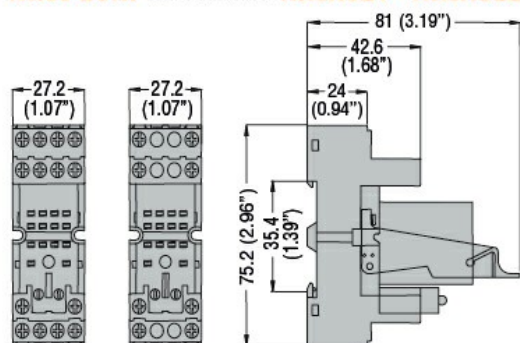
IEC

		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

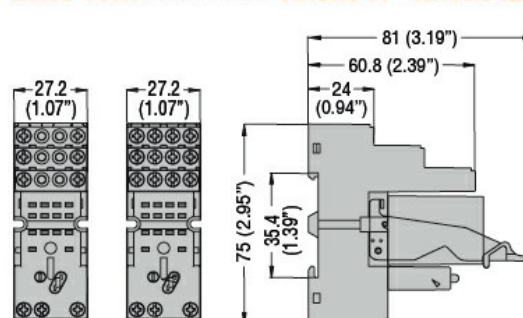
Other features			
Indication	Yes		
Mechanical contact position indicator	Yes		
Mechanical test actuator	Yes		

Dimensions

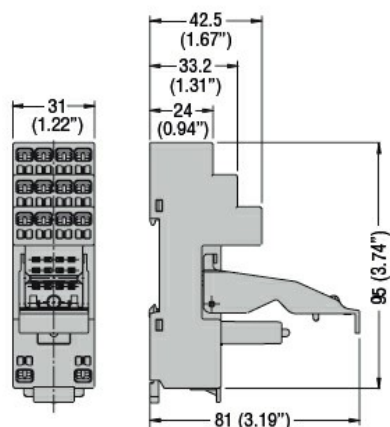
HR60 2C... with socket HR6XS21 - HR6XS22



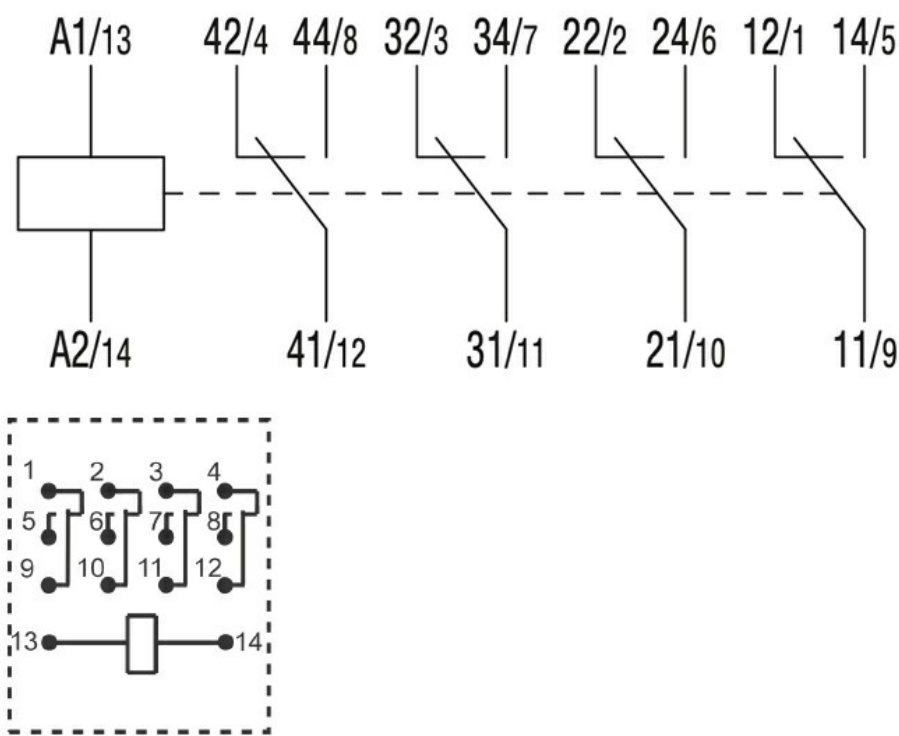
HR60 4C... with socket HR6XS41 - HR6XS42



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
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