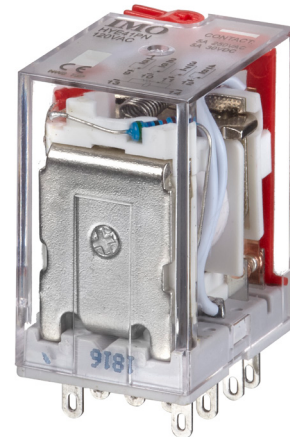


Miniature Intermediate Power Relay HYE

- 10A Switching Capability
- 2kV dielectric strength (between coil and contacts)
- Plug-in or PCB mountable
- Different Sockets Available
- RoHS Compliant
- 2 to 4 pole configurations
- Outline Dimensions: 28.0 x 21.3 x 35.2mm



Options & Ordering Codes

HYE		4	1	PN	24VDC
Contact Arrangement					Coil Voltage
2 Pole CO		2			
3 Pole CO		3			
4 Pole CO		4			
Termination					
Plug-In			1		
PCB			2		
				PN	Mechanical indicator /test latch LED
				XX	No indication



Contact Data		
Contact Arrangement	2P / 3P	4P
Contact Resistance	50mΩ (at 1A 24VDC)	
Contact Material	AgSnO ₂	
Contact Rating	10A 250VAC/30 VDC	5A 250VAC/30 VDC
Max. Switching Voltage	250VAC / 30VDC	
Max. Switching Current	10A	5A
Max. Switching Power	2500VA / 300W	1250 VA / 150 W
Mechanical Life	1x10 ⁷ OPS	
Electrical Life	1x10 ⁵ OPS	

Characteristics		
Initial Insulation Resistance		1000MΩ (at 500VDC)
Dielectric Strength	Between coil & contacts	1500VAC 1min
	Between open contacts	1000VAC 1min
	Between contact sets	1500VAC 1min
Operate Time (at nominal voltage)		25ms max.
Release Time (at nominal voltage)		25ms max.
Shock Resistance	Functional	100m/s ²
	Destructive	1000m/s ²
Vibration Resistance		10 to 55Hz 1.5mm DA
Ambient Temperature		-40°C to +55°C
Humidity		98% RH, +40°C
Termination	8 Pin	PCB, Plug-In
Unit Weight		Approx 37g
Construction		Dust Protected

Coil		
Coil Power	DC Type	900mW
	AC Type	1.2VA

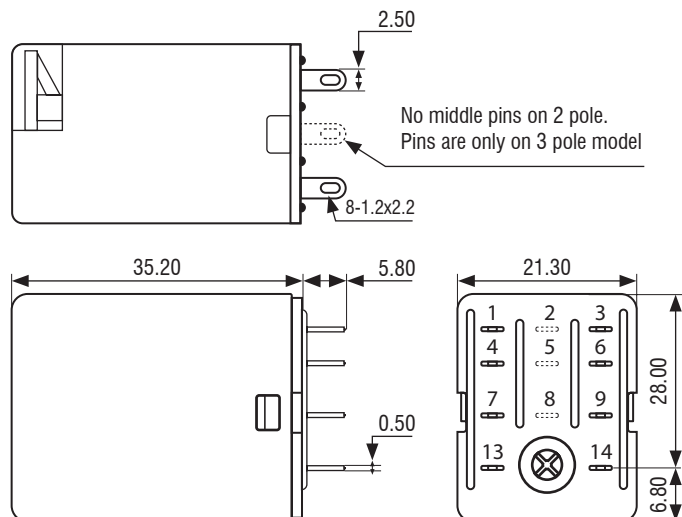
Coil Data			
Nominal Voltage VDC	Pick-Up Voltage VDC	Drop-Out Voltage VDC	Coil Resistance Ω
6	4.8	0.6	40 (1±10%)
12	9.6	1.2	160 (1±10%)
24	19.2	2.4	650 (1±10%)
48	38.4	4.8	2600 (1±10%)
110	88.0	11.0	11000 (1±10%)

Nominal Voltage VAC	Pick-Up Voltage VAC	Drop-Out Voltage VAC	Coil Resistance Ω
6	4.8	1.8	12 (1±10%)
12	9.6	3.6	46 (1±10%)
24	19.2	7.2	180 (1±10%)
48	38.4	14.4	780 (1±10%)
110	80.0	30.0	3750 (1±10%)
220	160.0	60.0	12950 (1±10%)
230	176.0	66.0	18790 (1±10%)

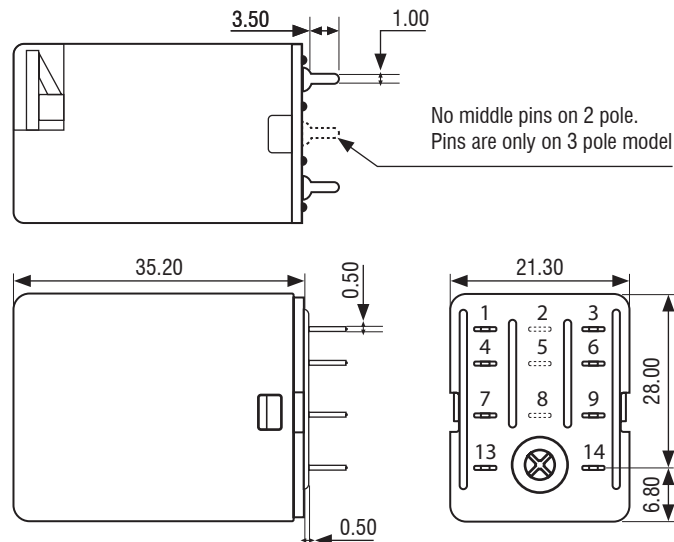
Miniature Intermediate Power Relay HYE

2 and 3 POLES

Plug-in

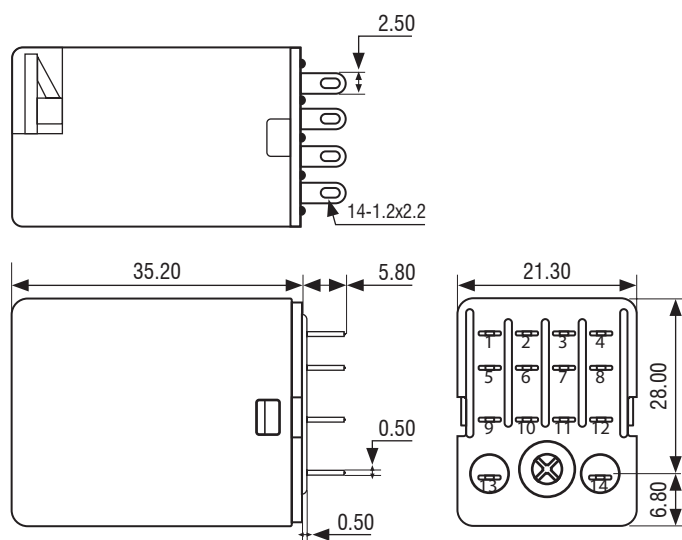


PCB

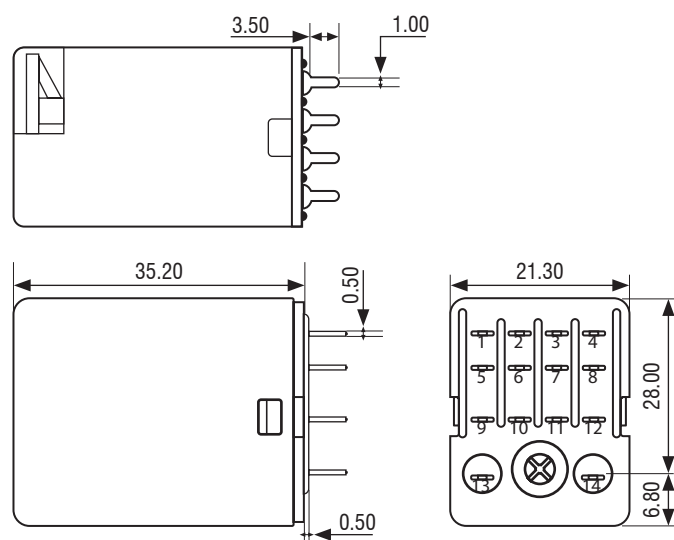


4 POLES

Plug-in

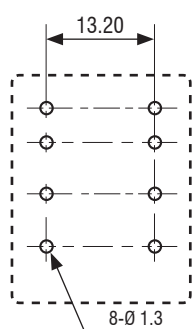


PCB

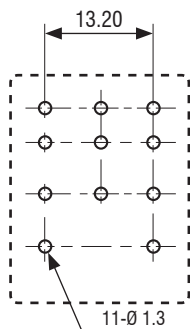


PCB LAYOUT

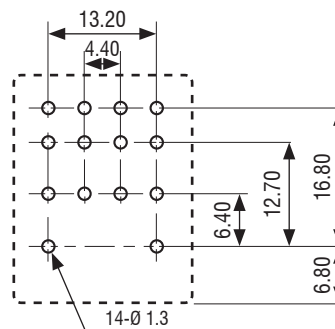
2 Poles CO



3 Poles CO

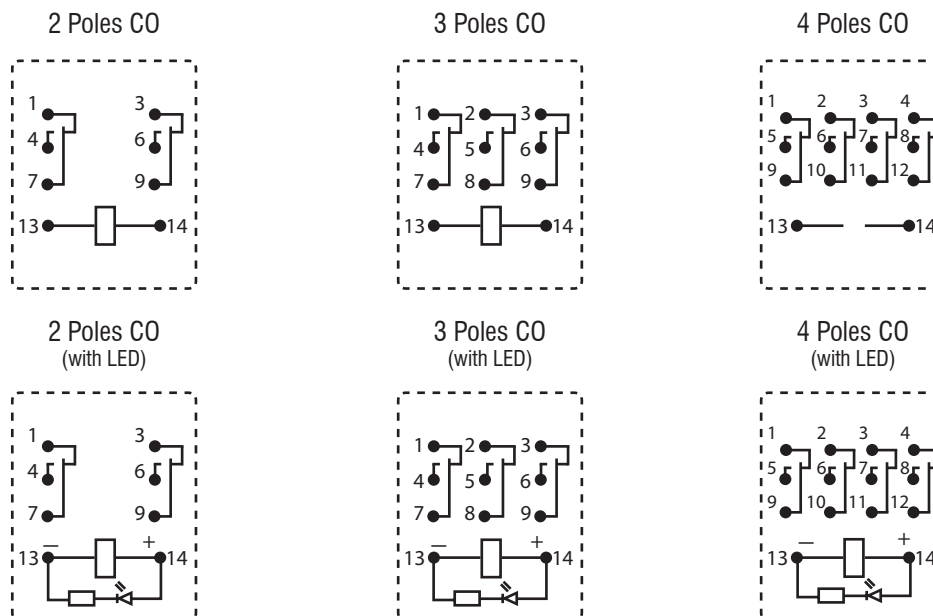


4 Poles CO



Miniature Intermediate Power Relay HYE

WIRING DIAGRAM



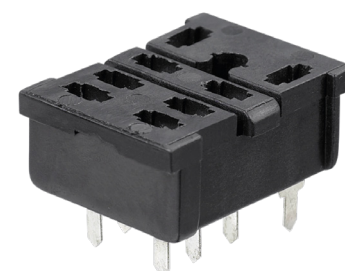
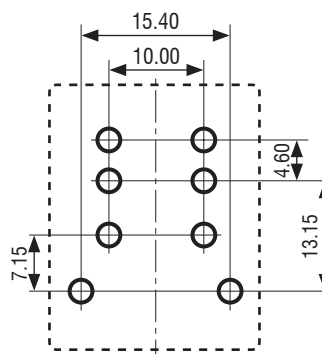
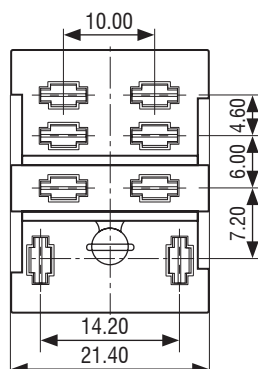
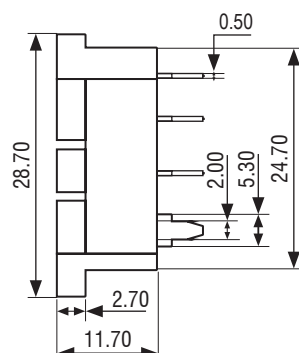
Bases - Dimensions (mm)



Relay	Base	Nominal Voltage (V)	Nominal Current (A)	Ambient Temperature	Dielectric Strength Min.	Screw Torque (Nm)	Wire Strip Length (mm)
2P	SRPE2-0	300V	10A	-25 to 85°C	1500VAC	N/A	N/A
2P	SRNE2-D	300V	10A	-25 to 85°C	2500VAC	0.6	7mm
2P	SRNE2-S	300V	10A	-25 to 85°C	2500VAC	0.6	7mm
3P	SRNE3-C	300V	10A	-25 to 85°C	2500VAC	0.6	7mm
3P	SRNE3-D	300V	10A	-25 to 85°C	2500VAC	0.6	7mm
4P	SRPE4-0	300V	10A	-25 to 85°C	2500VAC	N/A	N/A
4P	SRNE4-C	300V	10A	-25 to 85°C	2500VAC	0.6	7mm
4P	SRNE4-D	300V	10A	-25 to 85°C	2500VAC	0.6	7mm
4P	SRNE4-S	300V	10A	-25 to 85°C	2500VAC	0.6	7mm

SRPE2-0

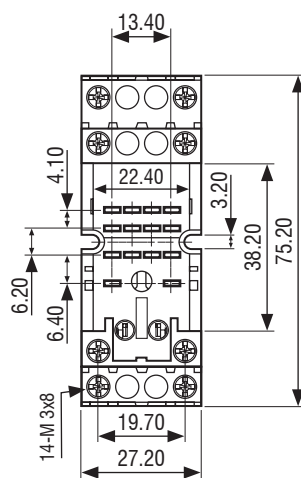
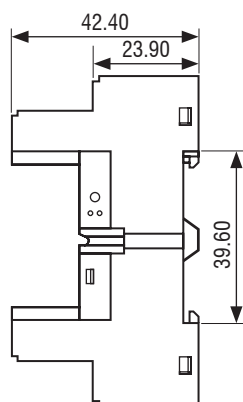
PCB Layout



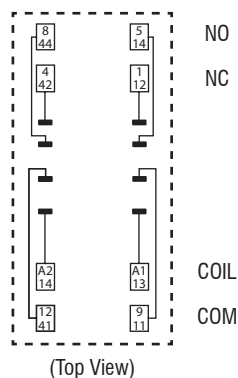
ACCESSORY
Metallic retainer SRC-CLIP

Miniature Intermediate Power Relay HYE

SRNE2-D



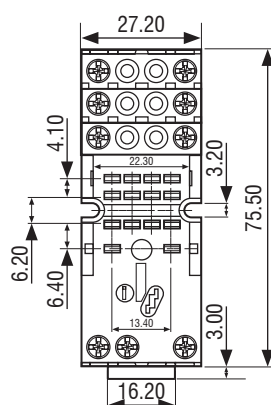
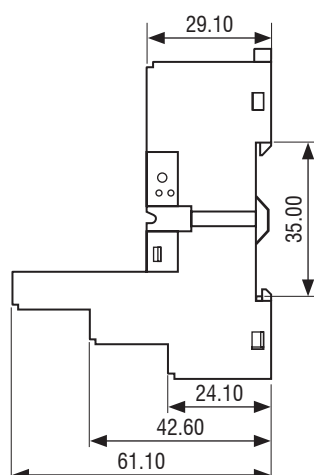
Wiring Diagram



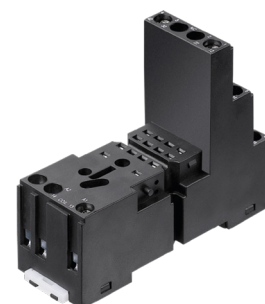
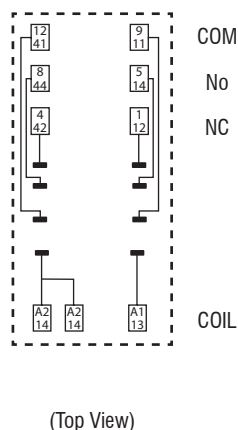
ACCESSORY

Metallic retainer RC4-N
Marker - SRN-BM-1
Plug-in modules PDME1 to RPDME1

SRNE2-S



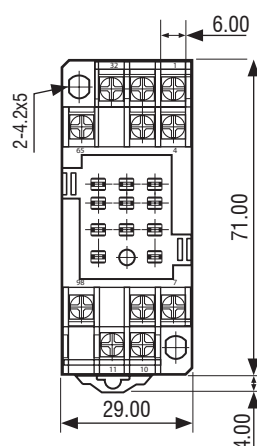
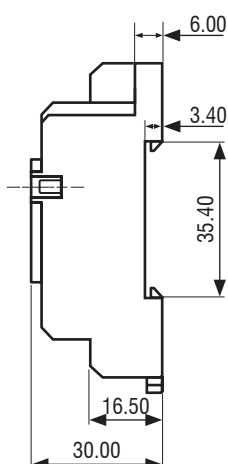
Wiring Diagram



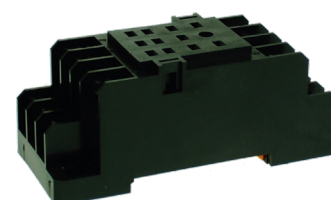
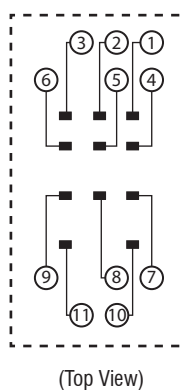
ACCESSORY

Metallic retainer RC4-N
Marker - SRN-BM-1
Plug-in modules PDME1 to RPDME1

SRNE3-C



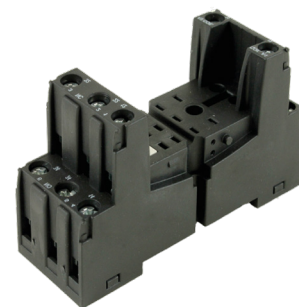
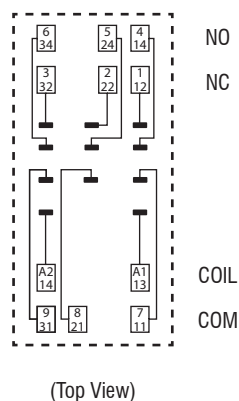
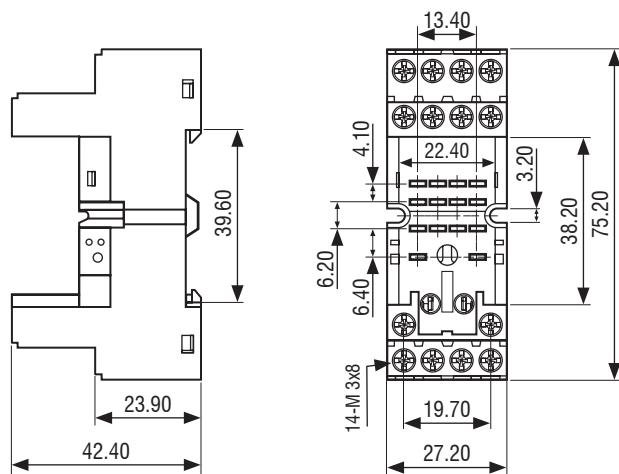
Wiring Diagram



Miniature Intermediate Power Relay HYE

SRNE3-D

Wiring Diagram

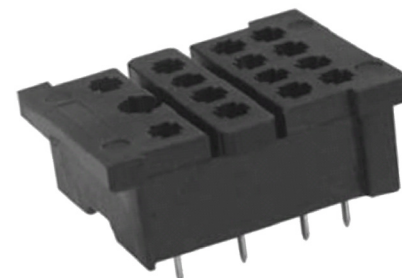
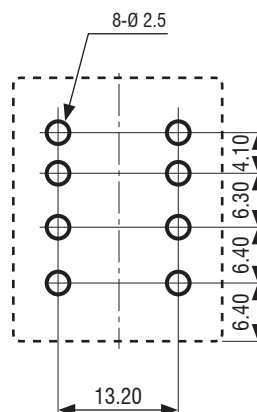
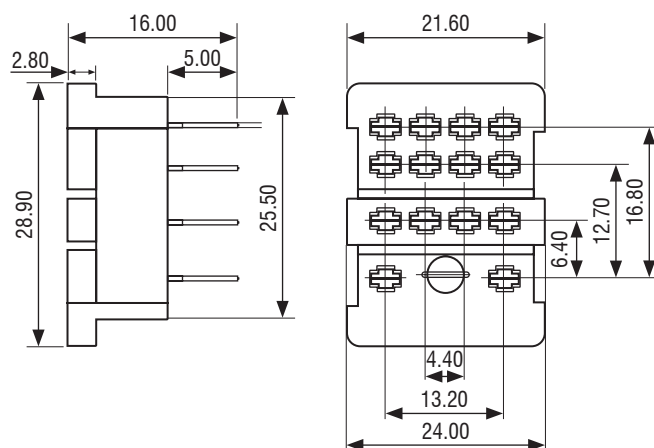


ACCESSORY

Metallic retainer RC4-N
Marker - SRN-BM-1
Plug-in modules PDME1 to RPDME1

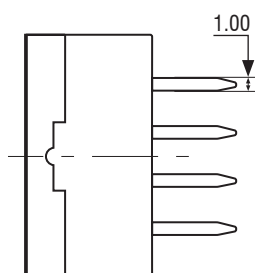
SRPE4-0

PCB Layout



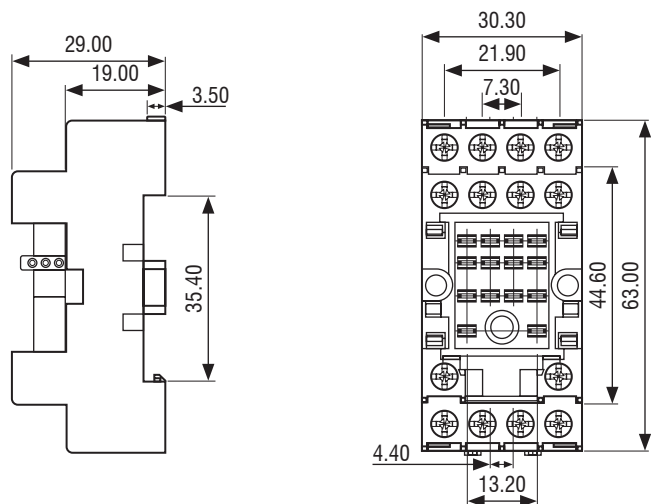
ACCESSORY

Metallic retainer SRC-CLIP

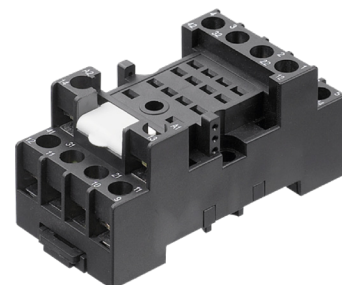
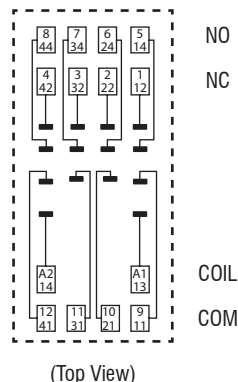


Miniature Intermediate Power Relay HYE

SRNE4-C

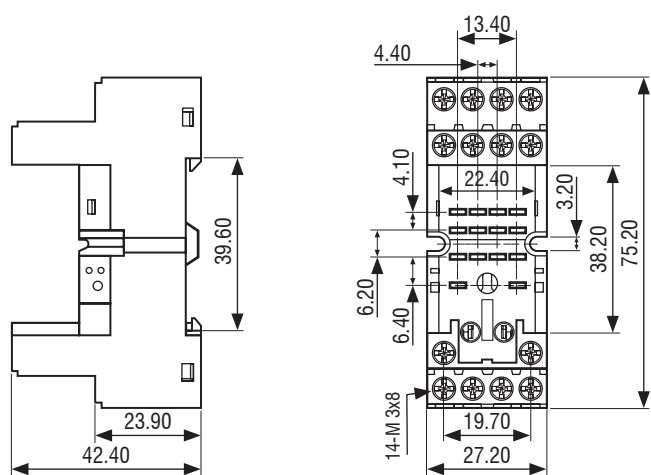


Wiring Diagram

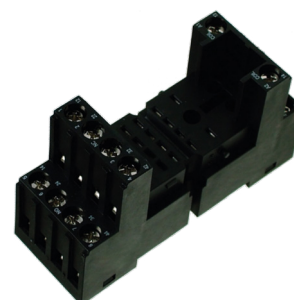
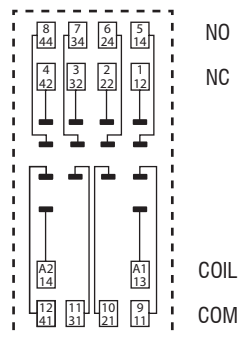


ACCESSORY
Metallic retainer RC4-N

SRNE4-D

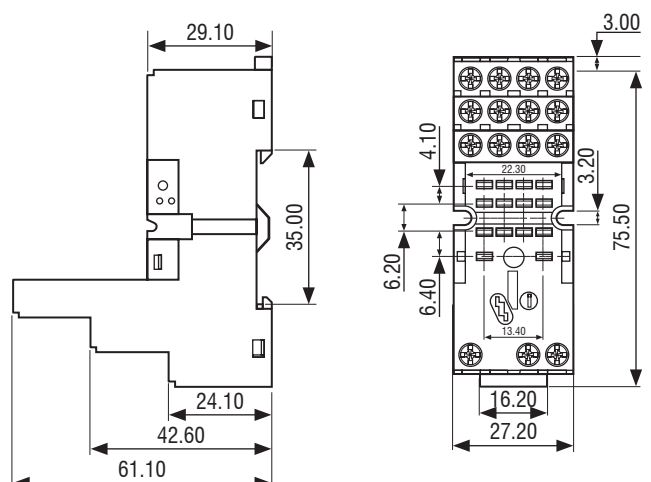


Wiring Diagram

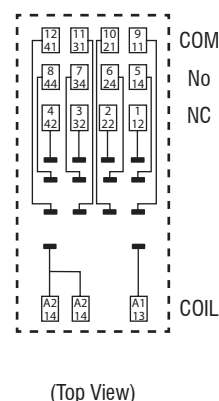


ACCESSORY
Metallic retainer RC4-N
Marker - SRN-BM-1
Plug-in modules PDME1 to RPDME1

SRNE4-S



Wiring Diagram



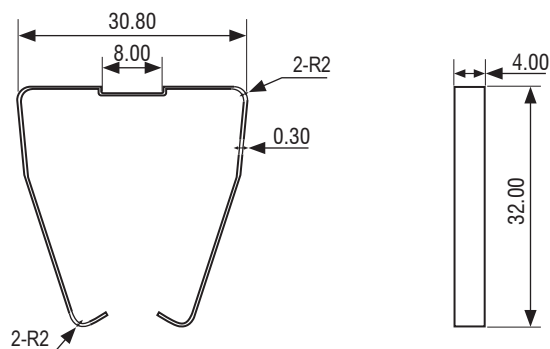
ACCESSORY
Metallic retainer RC4-N
Marker - SRN-BM-1
Plug-in modules PDME1 to RPDME1

Miniature Intermediate Power Relay HYE

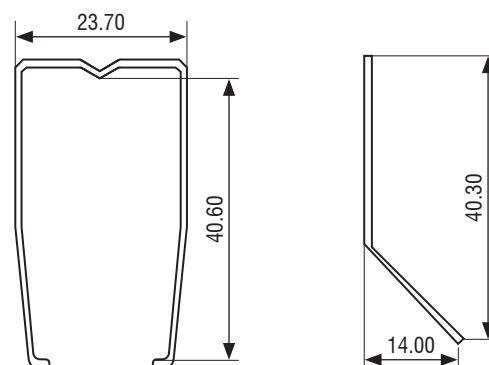
DIMENSIONS OF RELATED COMPONENT

Retainers

SRC-CLIP



RC4-N



Markers

SRN-BM-1

