

## Small electromagnetic relay series

### JQX-10F、JTX series small electromagnetic relays

#### Product feature

#### 1 laser marking

Product shell using laser marking, clear, wear resistance, environmental protection and safety



#### 2 transparent shell

PC high permeability material, Internal structure is clearly visible, good product quality can be seen



#### 3 large capacity

Products with large capacity contacts, Rated current is 10A, Effectively ensure the stable use of the product



#### 4 Multiple sets of contacts are available

2/3 sets of contact specifications, plug and solder installation mode, to meet different needs

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#### Selection guide

Product name	Contact load	No. of contacts	Contact form	Input voltage	Coil voltage
JQX	10F	2	Z	D	B
	10F : 10A	2 : 2 sets 3 : 3 sets	Z : convert H : normally open D : normal close	D : DC default: AC	T : 6V J : 12V B : 24V C : 36V E : 48V F : 110V S : 127V M : 220V Q : 380V



Product name	No. Of contact	Contact form	Input voltage	Coil voltage
JTX	2	C	D	B
	2 : 2 sets 3 : 3 sets	C : convert	D : DC default: AC	T : 6V J : 12V B : 24V C : 36V E : 48V F : 110V S : 127V M : 220V Q : 380V

#### Coil specification

Rated voltage DC (V)	Rated current ±10 (mA)	Coil resistance ±10% (Ω)	Maximum continuous applied voltage (V)	Pull-in voltage (Max)	Release voltage (Min)	Rated power consumption (W)
6	300	20	Rated voltage ×110%	≤75% ×rated voltage	≥10% ×rated voltage	1.8
12	150	80				
48	37.5	1280				
110	16	6722				
220	8.1	26888				

Rated voltage AC (V)	Rated current ±10 (mA)	Coil resistance ±10% (Ω)	Maximum continuous applied voltage (V)	Pull-in voltage (Max)	Release voltage (Min)	Rated power consumption (W)
6	450	4.7	Rated voltage ×110%	≤80% ×rated voltage	≥30% ×rated voltage	2.7
12	225	18.7				
24	112.5	74.7				
48	56.2	298.7				
110	24.5	1568.5				
220	12.3	6274.1				
380	7	18718				

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#### Technical parameter

Contact point	Form	2Z 2H 2D	3Z 3H 3D
	load	10A	10A
	Maximum switching voltage	250VAC/28VDC	
	Contact resistance	≤100mΩ	
	materials	Silver alloy	
	Electrical life	≥100,000 times	
Pull-in voltage (23°C)	DC	≤75%×rated voltage	
	AC	≤80%×rated voltage	
Release voltage (23°C)	DC	≥10%×rated voltage	
	AC	≥30%×rated voltage	
Maximum voltage (23°C)		110%×rated voltage	
Coil specification	DC	DC6V~220V	
	AC	AC6V~380V	
Coil power		DC:1.5W AC:2.7VA	
Suction time		≤20ms	
Release time		≤20ms	
Dielectric withstand voltage	Between homopolar contacts	1200VAC/1min(Leakage current1mA)	
	Between heteropolar contacts	1200VAC/1min(Leakage current1mA)	
	Contacts and coils	1500VAC/1min(Leakage current1mA)	
Insulation resistance		≥100MΩ(500VDC)	
Ambient temperature		-25~+55°C	
way to install		Socket type	

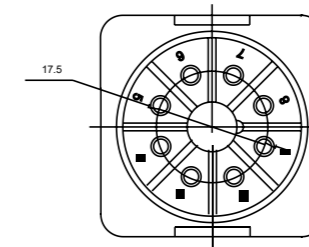
## Small electromagnetic relay series

### JQX-10F、JTX series small electromagnetic relays

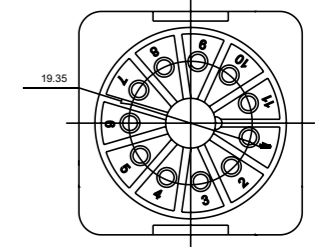


#### Wiring diagram

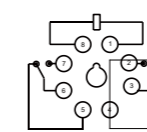
• JTX-2C/JQX-10F 2Z



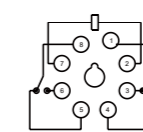
• JTX-3C/JQX-10F 3Z



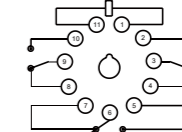
• JTX-2C



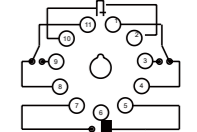
• JQX-10F 2Z



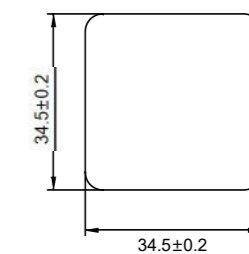
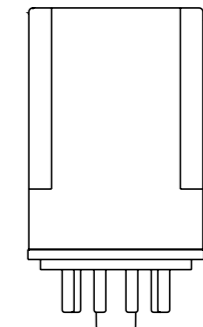
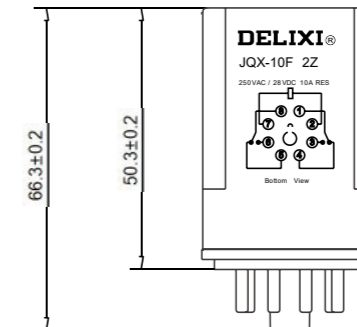
• JTX-3C



• JQX-10F 3Z




#### Outline and mounting dimensions



## Small electromagnetic relay series appendix




### base



Model	PYF08A socket	PYF11A socket	PYF14A socket	PTF08A socket
				
Load current	5A	5A	3A	10A
Load voltage	300V	300V	300V	300V
Dielectric withstand voltage	2.5kV	2.5kV	2.5kV	2.5kV
materials	Flame retardant PC	Flame retardant PC	Flame retardant PC	Flame retardant PC
Sandwich spring material	QSn6.5-0.1	H65	H65	H65
Adaptive relay	CDZ9-52P JQX-22F-2Z	CDZ9-53P JQX-22F-3Z	CDZ9-54P JQX-22F-4Z	CDZ9-62P

model	PF083A socket	PF113A socket	CDPYF08A-E socket	CDPYF14A-E socket
				
Load current	10A	10A	10A	7A
Load voltage	300V	300V	300V	300V
Dielectric withstand voltage	2.5kV	2.5kV	2.5kV	2.5kV
materials	Flame retardant PC	Flame retardant PC	Flame retardant PC	Flame retardant PC
Sandwich spring material	H65	H65	1.0thick brass tape+QSn6.5-0.1	1.0thick brass tape+QSn6.5-0.1
Adaptive relay	JQX-102Z JTX-2C	JQX-103Z JTX-3C	CDZ9-52P JQX-22F-2Z	CDZ9-54P JQX-22F-4Z

## Small electromagnetic relay series appendix

### base

model	CDPYF08.5A-E socket	CDPYF14.5A-E socket	CDPTF08A-E socket
			
Load current	10A	7A	12A
Load voltage	300V	300V	300V
Dielectric withstand voltage	2.5kV	2.5kV	2.5kV
materials	PA66	PA66	PA66
Sandwich spring material	H65	H65	H65
Adaptive relay	CDZ9-52P JQX-22F-2Z	CDZ9-54P JQX-22F-4Z	CDZ9-62P

model	CDPRT08-E socket	CDPRT05-E socket
		
Load current	8A	12A
Load voltage	300V	300V
Dielectric withstand voltage	2.5kV	2.5kV
materials	PA66	PA66
Sandwich spring material	H65	H65
Adaptive relay	JQX-14F-2Z	JQX-14F-1Z

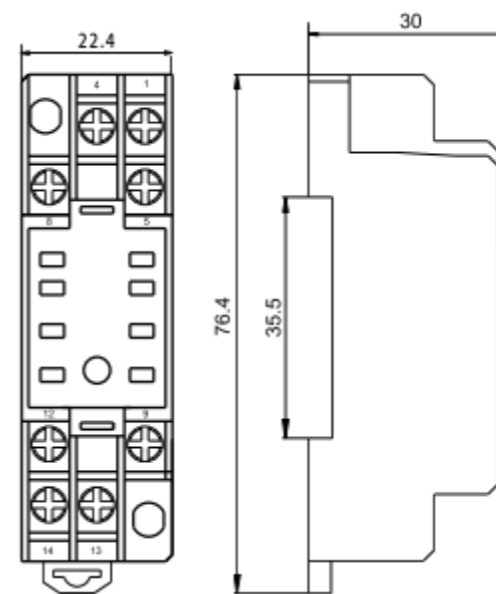
## Small electromagnetic relay series appendix

### base

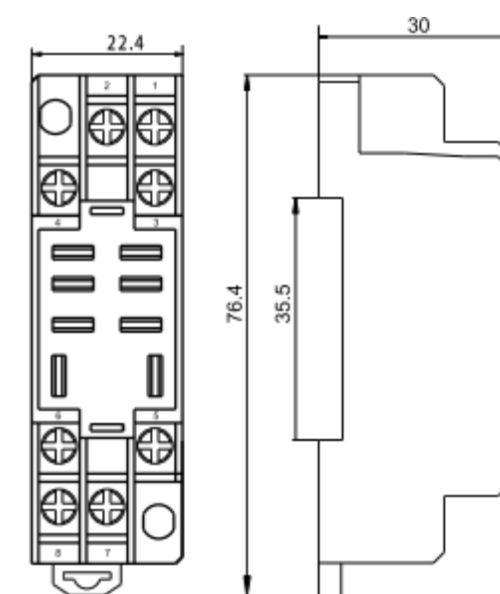
model	CDPYF08A-E with protective socket (Economy)	CDPYF14A-E with protective socket (Economy)	CDPTF08A-E with protective socket (Economy)
			
Load current	5A	3A	10A
Load voltage	300V	300V	300V
Dielectric withstand voltage	2.5kV	2.5kV	2.5kV
materials	Flame retardant PC	Flame retardant PC	Flame retardant PC
Sandwich spring material	H65	H65	H65
Adaptive relay	CDZ9-52P JQX-22F-2Z	CDZ9-54P JQX-22F-4Z	CDZ9-62P

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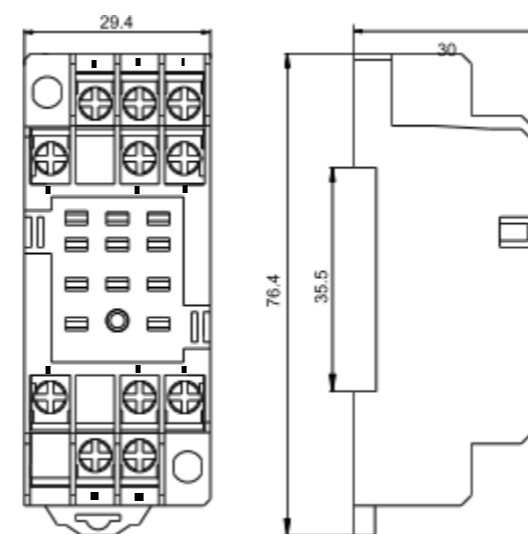
### Mounting dimension of base



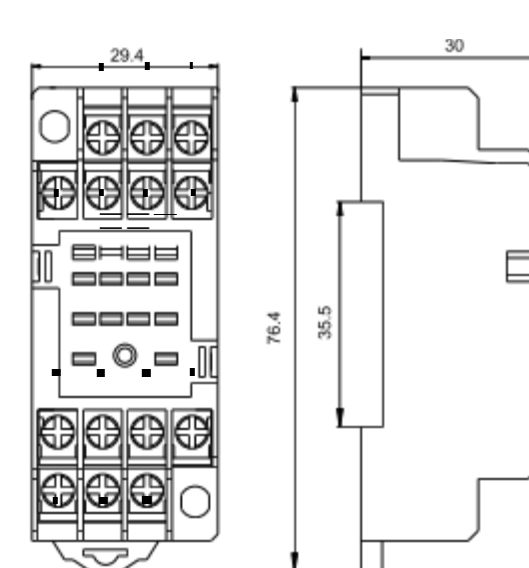
PYF08A



PTF08A



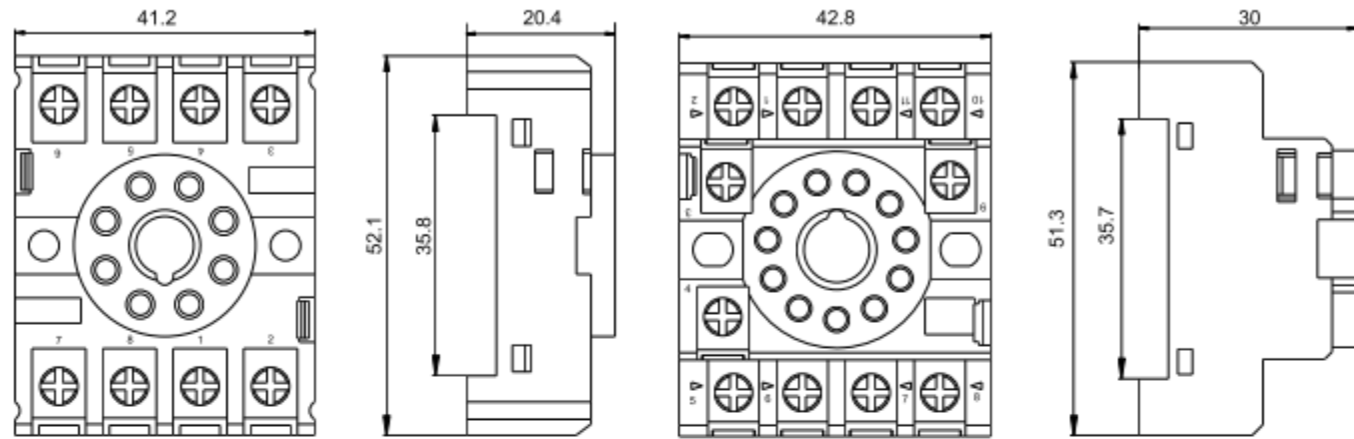
PYF11A



PYF14A

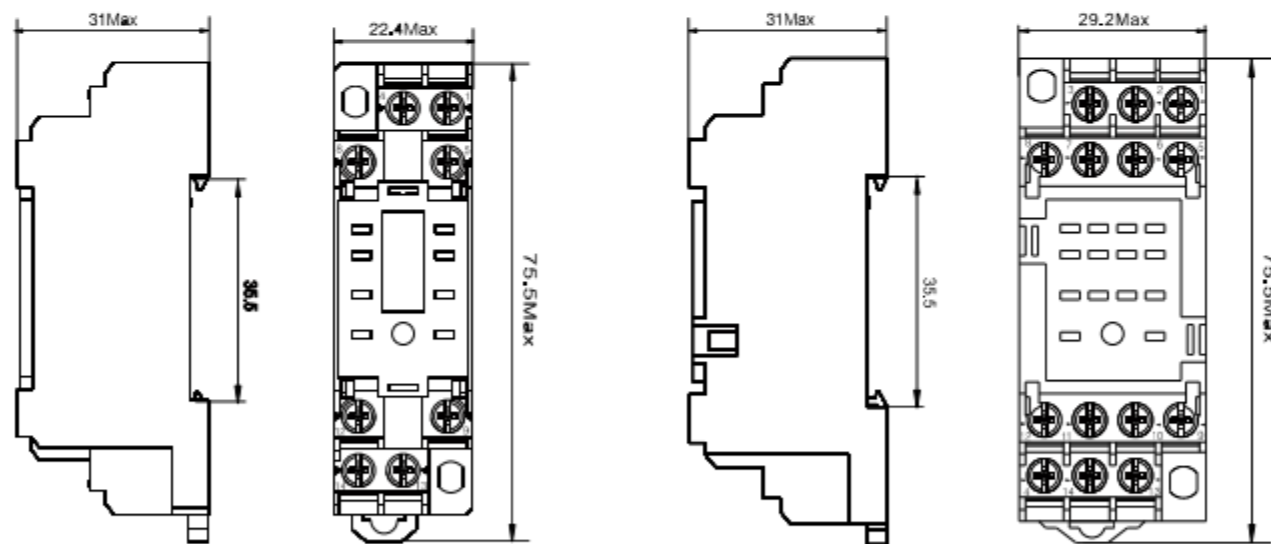
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### Mounting dimension of base



PF083A

PF113A

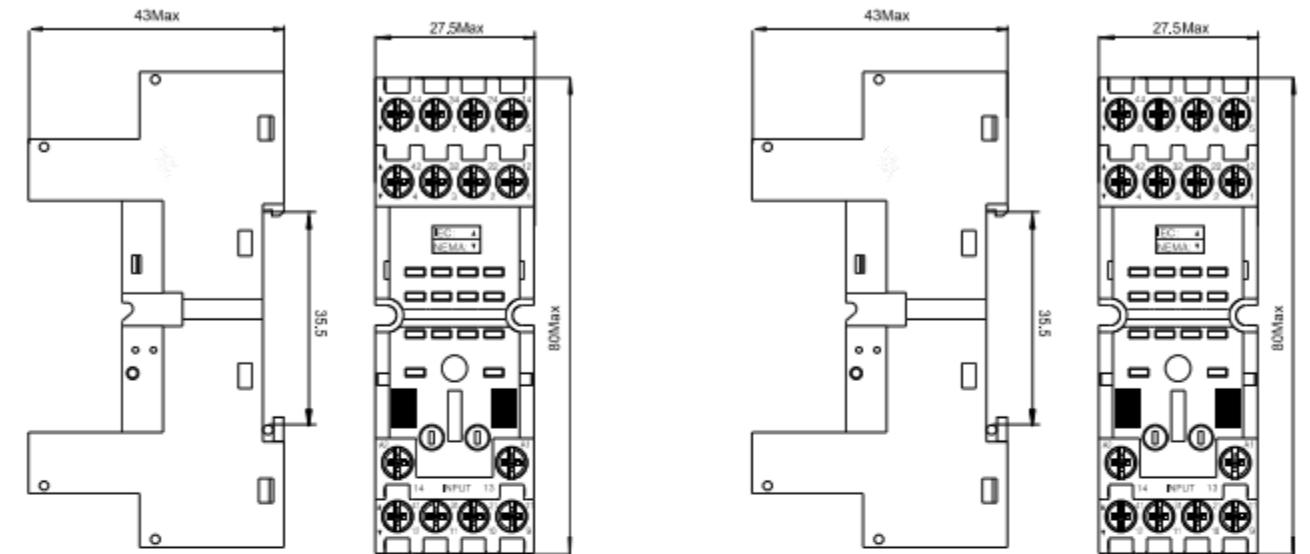


CDPYF08A-E

CDPYF14A-E

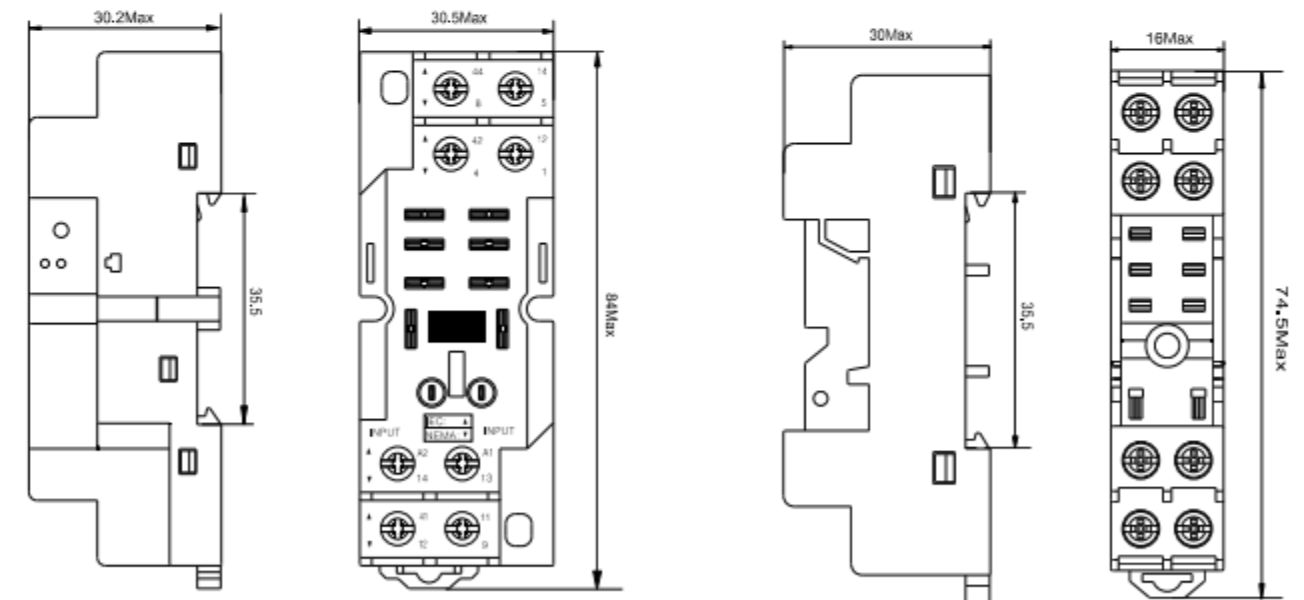
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### Mounting dimension of base



CDPYF08.5A-E

CDPYF14.5A-E

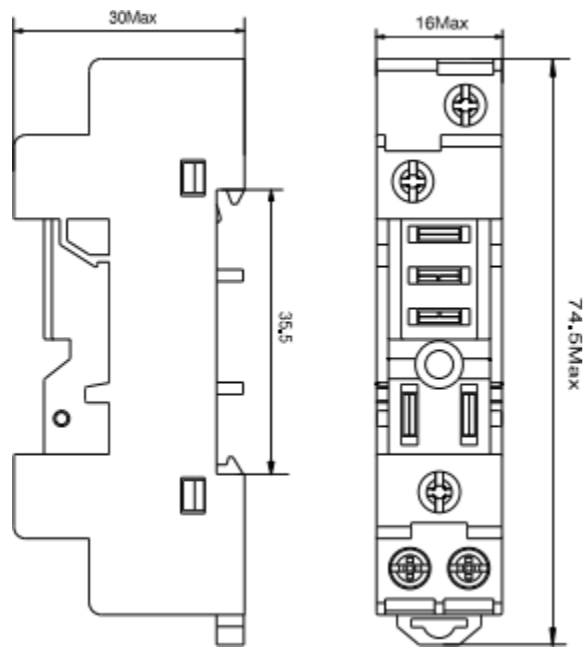


CDPTF08A-E

CDPRT08-E

## Small electromagnetic relay series appendix

### Mounting dimension of base



CDPRT05-E

### Accessories - circlip

category	circlip		Socket + circlip	
picture				
Adaptive relay	CDZ9-52/53/54P CDZ9-62P		CDZ9-52/54P CDZ9-62P	