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1989
SINCE



RELAY SELECTION MANUAL

INDUSTRIAL RELAY HIGH POWER RELAY
PCB RELAY AUTOMOTIVE RELAY
SOCKETS AND ACCESSORIES

About Asiaon

Asiaon Electric Co., LTD, founded in 1989, is a council member of China Electronic Components Association(CECA), China Relay Industry Association, Shanghai Electronics Industry Association, and one of China's relay export bases. The market layout and service network of the company cover almost all cities in China and are extended to 53 countries and regions in the world.

Asiaon is committed to the research and development (R&D), manufacturing and sales of different kinds of relays, including industrial control, power, PCB, automotive, time and solid-state. The factory produces over 150 series and more than 3000 specifications of relays and sockets. It has obtained UL, CSA, CE, TUV, CQC, RoSH, and other commercial and environmental certifications. Products are widely used in diverse control fields, including automation control equipment, electrical and electronic equipment, machine tools, instrumentation, regulated power supply, communication equipment, automotive electrical, household appliances, intelligent home, and office facilities.

Asiaon focuses on the producibility and reliability of the products, emphasizing the incoming material inspection, and process control, and combining with advanced information and intelligent technology- MES, SPC, and WMS. Asiaon is committed to building an industry 4.0 enterprise. Meanwhile, the company has a well-developed management system, which has passed the ISO9001 quality management system certificate, ISO14001 environmental management system certificate, and ISO45001 occupational health and safety system certificate.



Certification of system

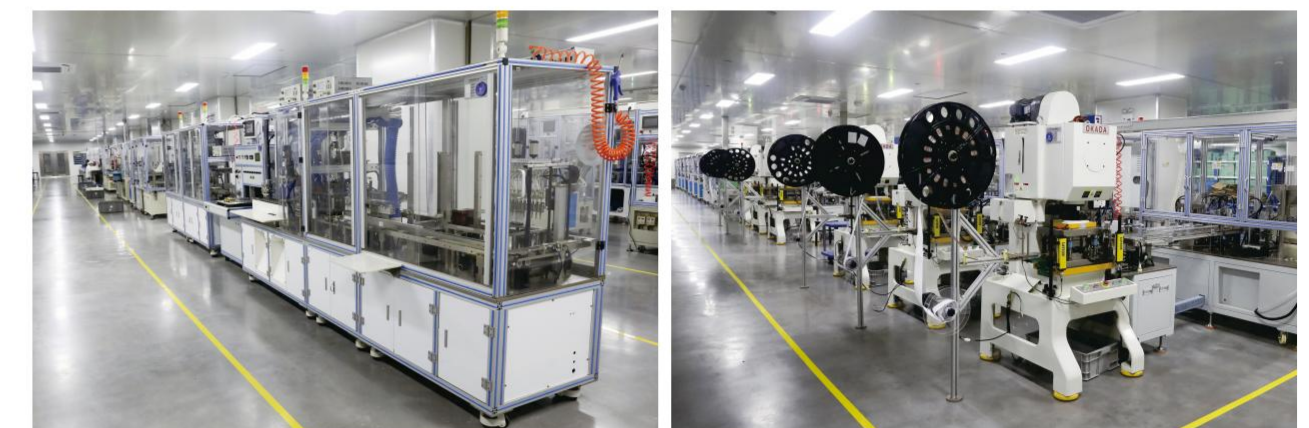


Business certification

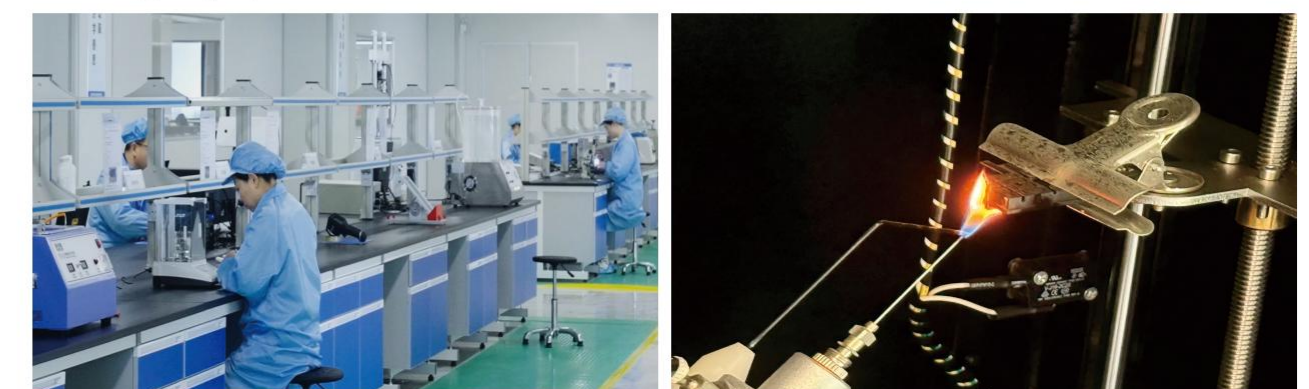
TUV UL CSA CE CQC ROHS



Automated production line



Testing equipment



DIRECTORY

Industrial control relay series

01-36

Industrial control Y series

AS13F	02
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37-57

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Solid state relay series

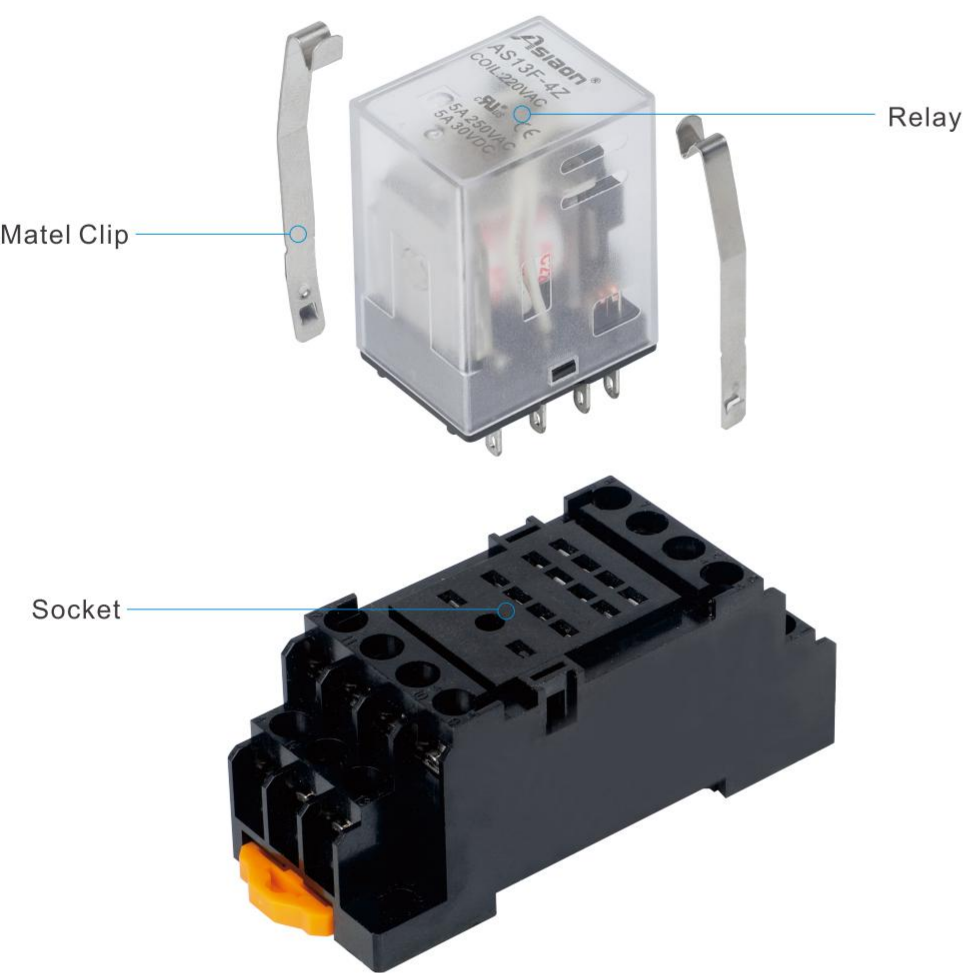
74-78

SSRL	74
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Outlet accessories general assembly

79-80



Features

- ◆ small size
- ◆ rated current 5A
- ◆ fast response, low operating power

Ordering Information

AS13F□-□□□□□

Mount Type
N/A: plug in P:PCB
S:flange

Options
L:LED D:diode

Contact Form
2Z(Z:C H:A D:B)
3Z(Z:C H:A D:B)
4Z(Z:C H:A D:B)

Voltage Type
D:DC A:AC

Coil Voltage
see coil data

Contact Material
1: AgSnO₂ 2: AgNi



Specifications

Contact	Contact Form	2Z	3Z	4Z
	Rated Load	5A 250VAC/30VDC		
Characteristics	Electrical/Mechanical Life	≥100000times/1000000times		
	Initial Contact Resistance	≤100mΩ (1A 6VDC)		
	Contact Material	AgSnO ₂ AgNi		
	Insulation Resistance	≥500MO (500VDC)		
Coil	Dielectric Strength	Between open contacts≥1000VAC/1min		
		Between poles≥1500VAC/1min		
		Between contact and coil≥1500VAC/1min		
Coil	Operate/Release Time	≤25ms/25ms		
	Terminal Type	PCB /Plug in		
	Operating Power DC/AC	0.9W/1.2VA		

Sockets Selection Table

Y series					
	PYF□□A	PYF□□A-E	PYP□□	PYF□□-E2	PYF□□-E3

Note: Please refer to the last page for other compatible accessories.

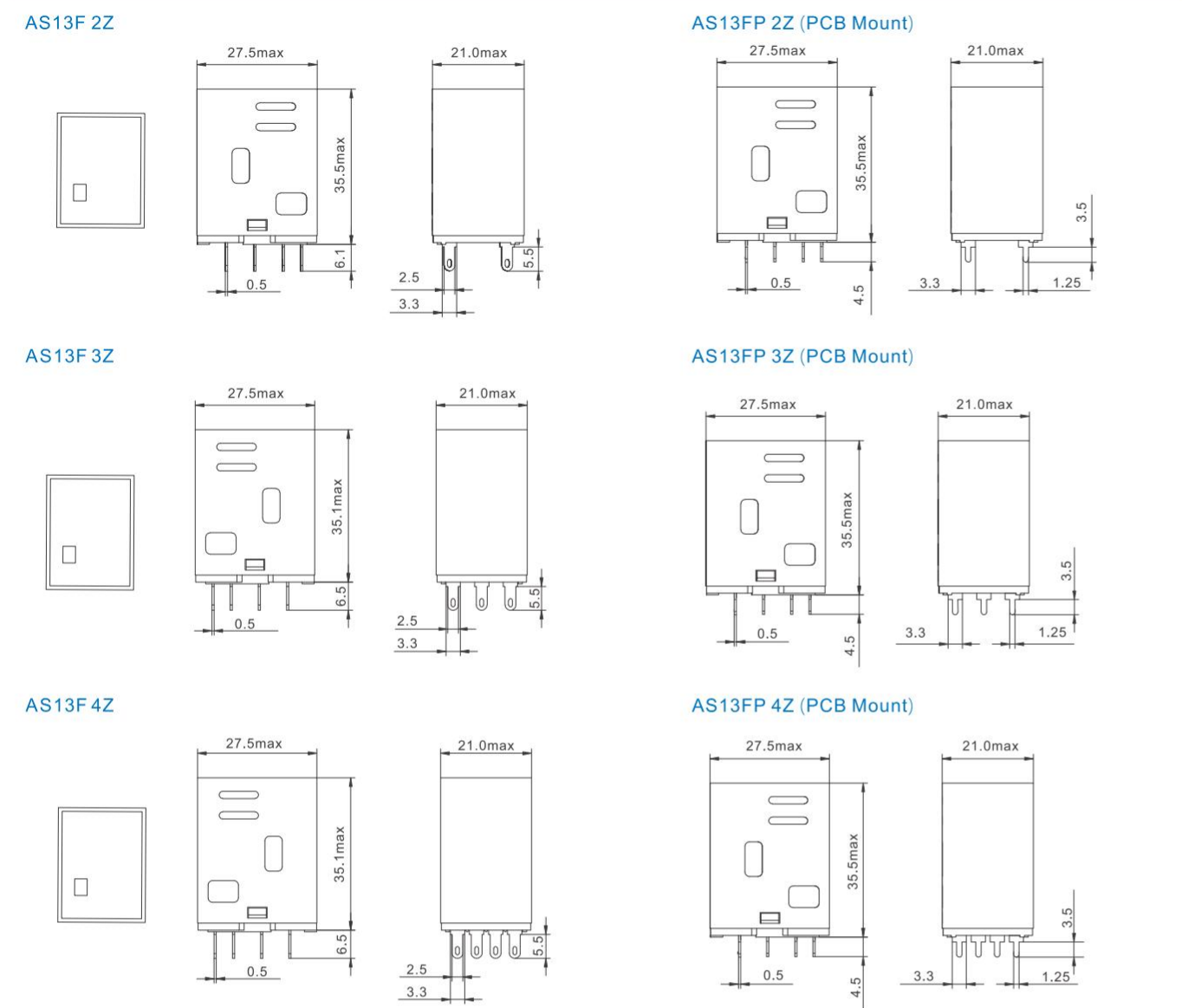
DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
5	4.0	0.5	28
6	4.8	0.6	40
12	9.6	1.2	160
24	19.2	2.4	650
48	38.4	4.8	2560
110	88.0	11.0	11000

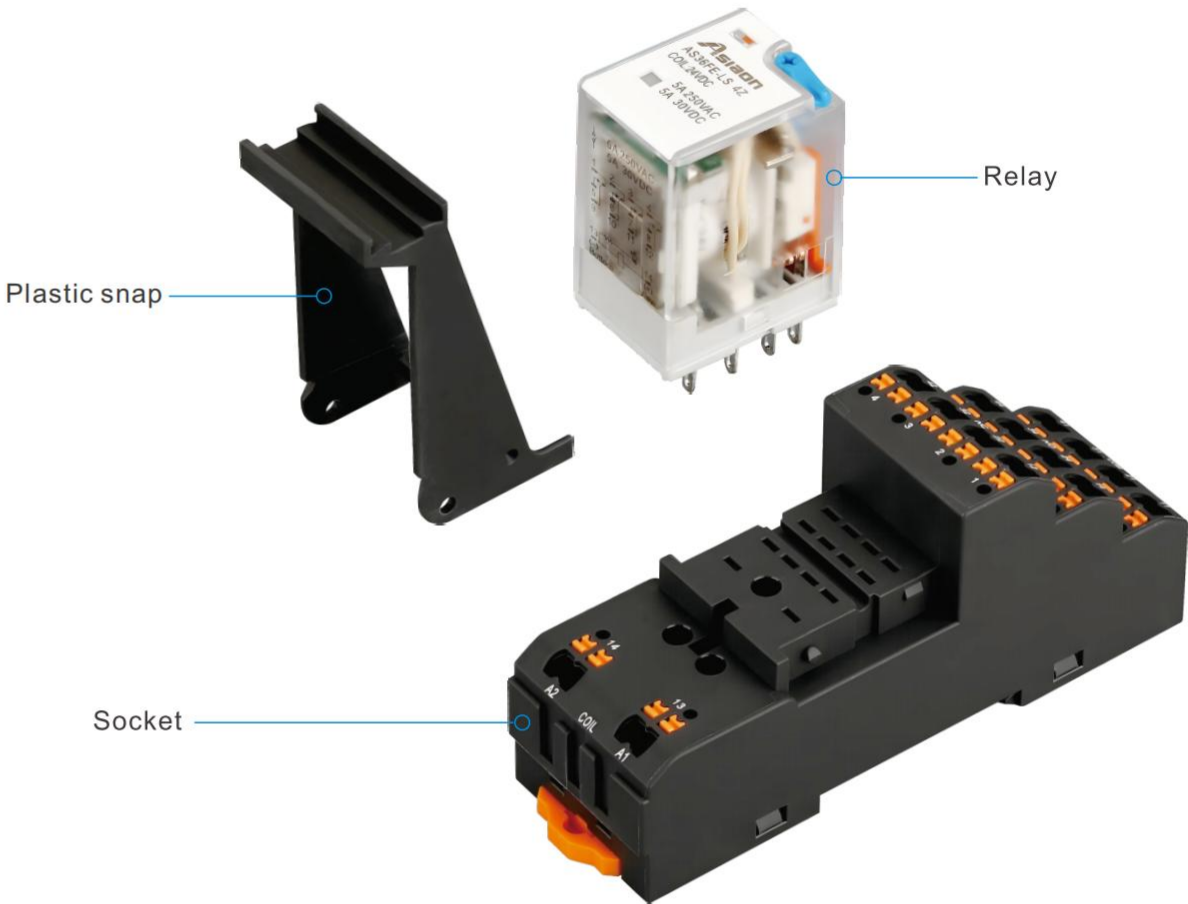
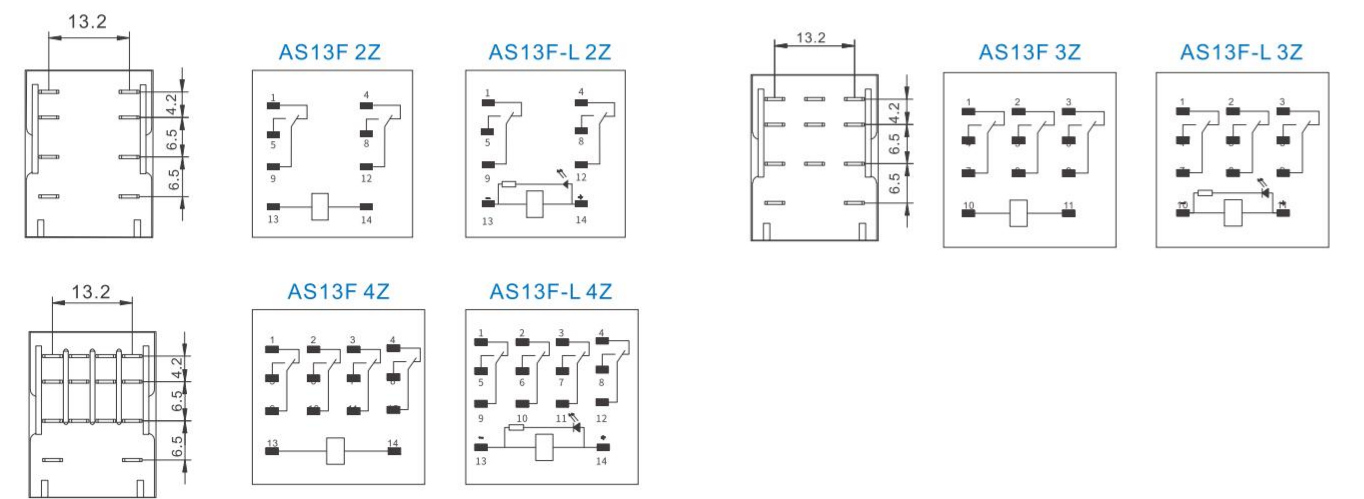
AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.80	10.5
12	9.6	3.60	46.5
24	19.2	7.20	192
48	38.4	14.4	783
110/120	88.0	33.0	4000
220/240	176.0	66.0	15000

Dimensions (mm)



Wiring Diagrams



Sockets Selection Table

Y series						
	PYF□□-S3	PYF□□A	PYF□□A-E	PYF□□-E2	PYF□□-E3	PYP□□

Note: Please refer to the last page for other compatible accessories.



AS36FET-LS 2Z



AS36FE-LS 4Z

Features

- ◆ with LED indicator,
- ◆ with lockable test button and inspection window
- ◆ rated load 5A , AS36FT 2Z rated load 10A

Ordering Information

Mount Type

N/A: plug in P:PCB

T:high rated load 10A(2Z only)

Options

L:LED D:diode
S:lockable button

Contact Form

2Z(Z:C H:A D:B)

3Z(Z:C H:A D:B)

4Z(Z:C H:A D:B)

Voltage Type

D:DC A:AC

Coil Voltage

see coil data

Contact Material

1:AgSnO₂ 2:AgNi

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



Specifications

Contact	Contact Form	2Z	3Z	4Z
	Rated Load	5A 、 10A 250VAC/30VDC		5A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times		
	Initial Contact Resistance	≤100MΩ (1A 6VDC)		
	Contact Material	AgSnO ₂ AgNi		
Characteristics	Insulation Resistance	≥500MΩ (500VDC)		
	Dielectric Strength	Between open contacts≥1000VAC/1min		
		Between poles≥1500VAC/1min		
		Between contact and coil ≥1500VAC/1min		
	Operate/Release Time	≤25ms/25ms		
Coil	Terminal Type	Plug in/PCB		
	Operating PowerDC/AC	0.9W/1.2VA		

DC Coil Data

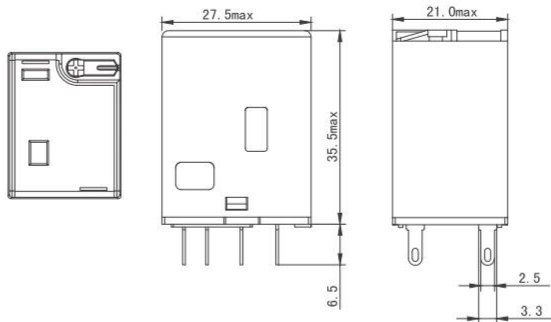
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
5	4.0	0.5	28
6	4.8	0.6	40
12	9.6	1.2	160
24	19.2	2.4	650
48	38.4	4.8	2560
110	88.0	11.0	11000

AC Coil Data

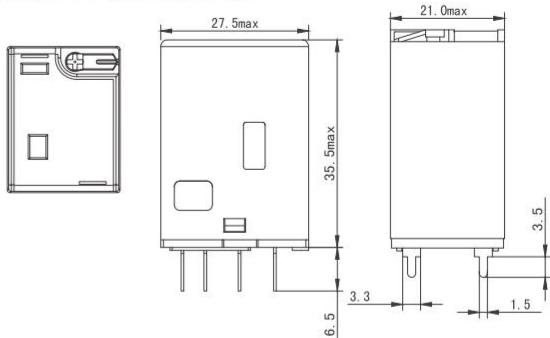
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4. 80	1. 80	10. 5
12	9. 60	3. 60	46. 5
24	19. 2	7. 20	192
48	38. 4	14. 4	783
110/120	88. 0	33. 0	4000
220/240	176. 0	66. 0	15000

Dimensions (mm)

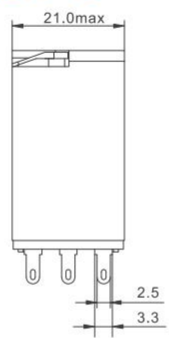
AS36F 2Z



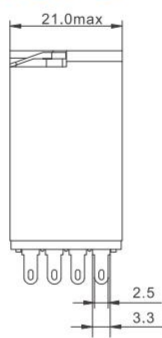
AS36FP 2Z (PCB Mount)



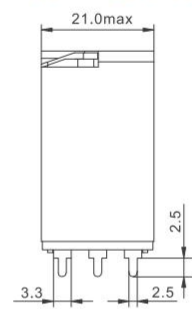
AS36F 3Z



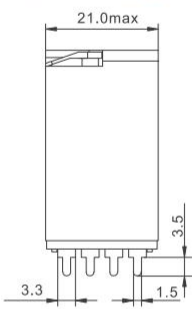
AS36F 4Z



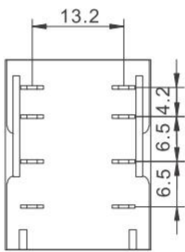
AS36FP 3Z (PCB Mount)



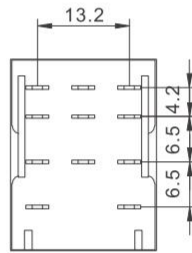
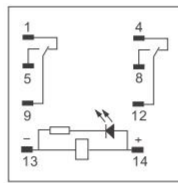
AS36FP 4Z (PCB Mount)



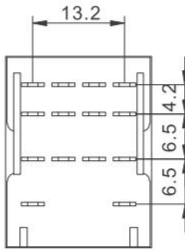
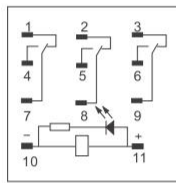
Wiring Diagrams



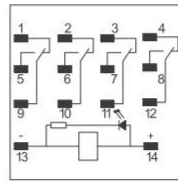
AS36F 2Z/AS36FT 2Z



AS36F 3Z



AS36F 4Z



PYF Series Sockets



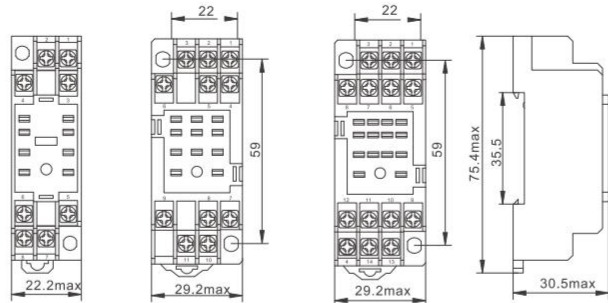
PYF □ □ A



Product Appearance



Dimensions (mm)

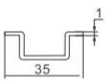


PYF08A PYF11A PYF14A

Specifications

Rated Load	Current/Voltage	A/VAC	7/300
Dielectric Strength	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size		AWG/mm2	20-16/0.5-1.5
Tightening Torque		Nm	0.7

Matched accessories

Socket	Clip	Module	DIN Rail
PYF08A	K-35S	/	
PYF11A			
PYF14A			

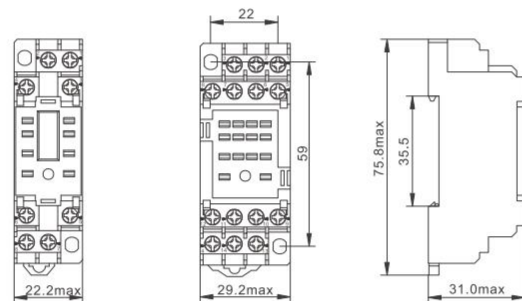
PYF □ □ A-E



Product Appearance



Dimensions (mm)

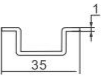


PYF08A-E PYF14A-E

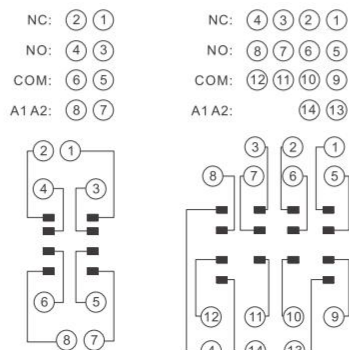
Specifications

Rated Load	Current/Voltage	A/VAC	7/300
Dielectric Strength	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size		AWG/mm2	20-16/0.5-1.5
Tightening Torque		Nn	0.7
Terminal Ingress Protection			IP20

Matched Accessories

Socket	Clip	Module	DIN Rail
PYF08A-E	K-35S	/	
PYF14A-E			

Connection Diagrams



PYF08A-E PYF14A-E

PYF Series Sockets



PYF □ □ -E2



Product Appearance

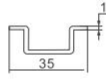


PYF □ □ -E2
(RT704-B)

Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	4000
	Between contacts	V/S	2500
Wire Size		AWG/mm2	20-14/0.5-2.5
Tightening Torque		Nm	0.8
Terminal Ingress Protection			IP20

Matched Accessories

Socket	Clip	Module	DIN Rail
PYF08-E2	B-35 K-35	AMB	
PYF11-E2		AMA	
PYF14-E2		AMB	

PYF □ □ -E3



Product Appearance

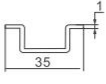


PYF □ □ -E3
(AS704-B)

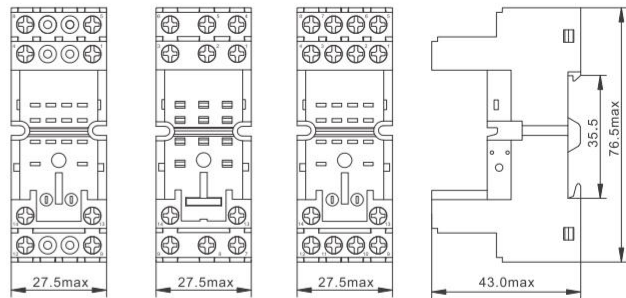
Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	4000
	Between contacts	V/S	2500
Wire Size		AWG/mm2	20-14/0.5-2.5
Tightening Torque		Nm	0.8
Terminal Ingress Protection			IP20

Matched Accessories

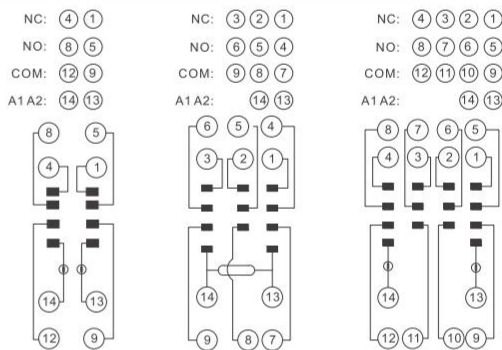
Socket	Clip	Module	DIN Rail
PYF08-E3	B-35 K-35	AMB	
PYF14-E3			

Dimensions (mm)



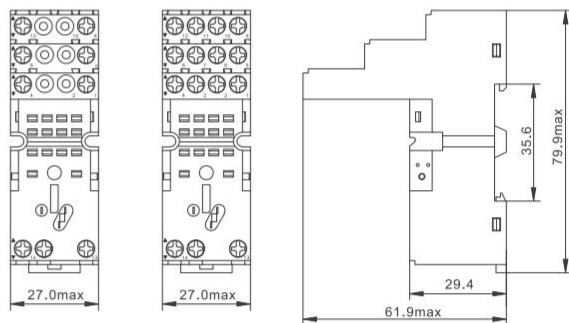
PYF08-E2 PYF11-E2 PYF14-E2

Connection Diagrams



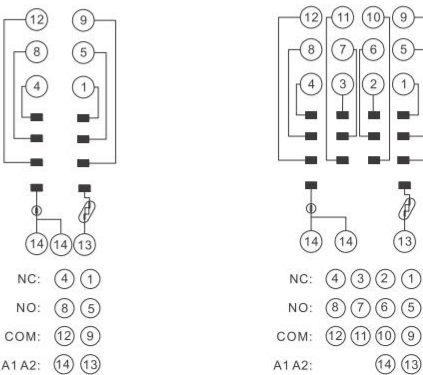
PYF08-E2 PYF11-E2 PYF14-E2

Dimensions (mm)



PYF08-E3 PYF14-E3

Connection Diagrams



PYF08-E3 PYF14-E3

PYP Series Sockets



Industrial T Series



➡ PYF □ □ -S3



Product Appearance



PYF08-S3

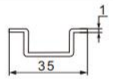


PYF14-S3

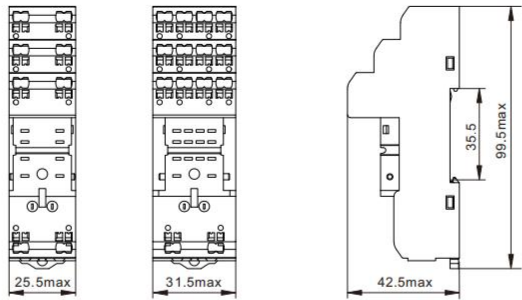
Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	4000
	Between contacts	V/S	2500
Wire Size	AWG/mm ²	20-14/0.5-2.5	
Tightening Torque	Nm	0.8	
Terminal Ingress Protection		IP20	

Matched Accessories

Socket	Clip	Module	DIN Rail
PYF08-S3	B-35S	AMB	
PYF14-S3			

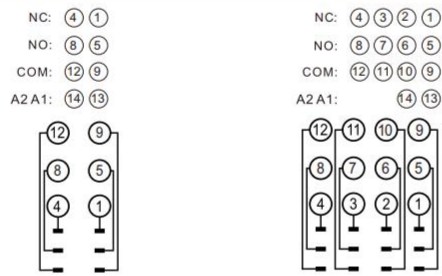
Dimensions (mm)



PYF08-S3

PYF14-S3

Connection Diagrams



PYF08-S3

PYF14-S3

➡ PYP □ □

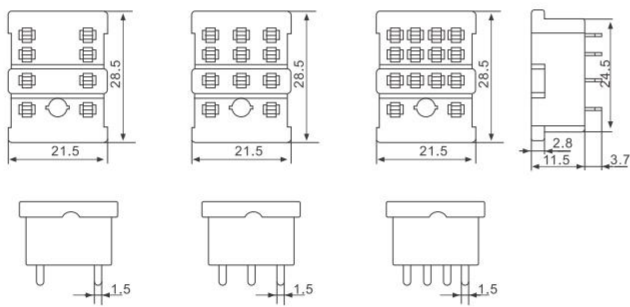


Product Appearance



PYP□□
(PY-14A)

Dimensions (mm)

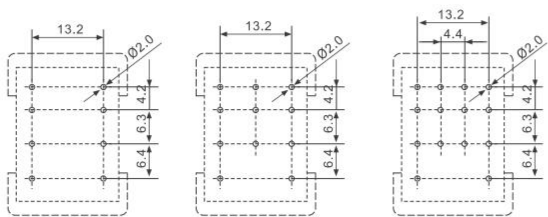


PYP08

PYP11

PYP14

Connection Diagrams



PYP08

PYP11

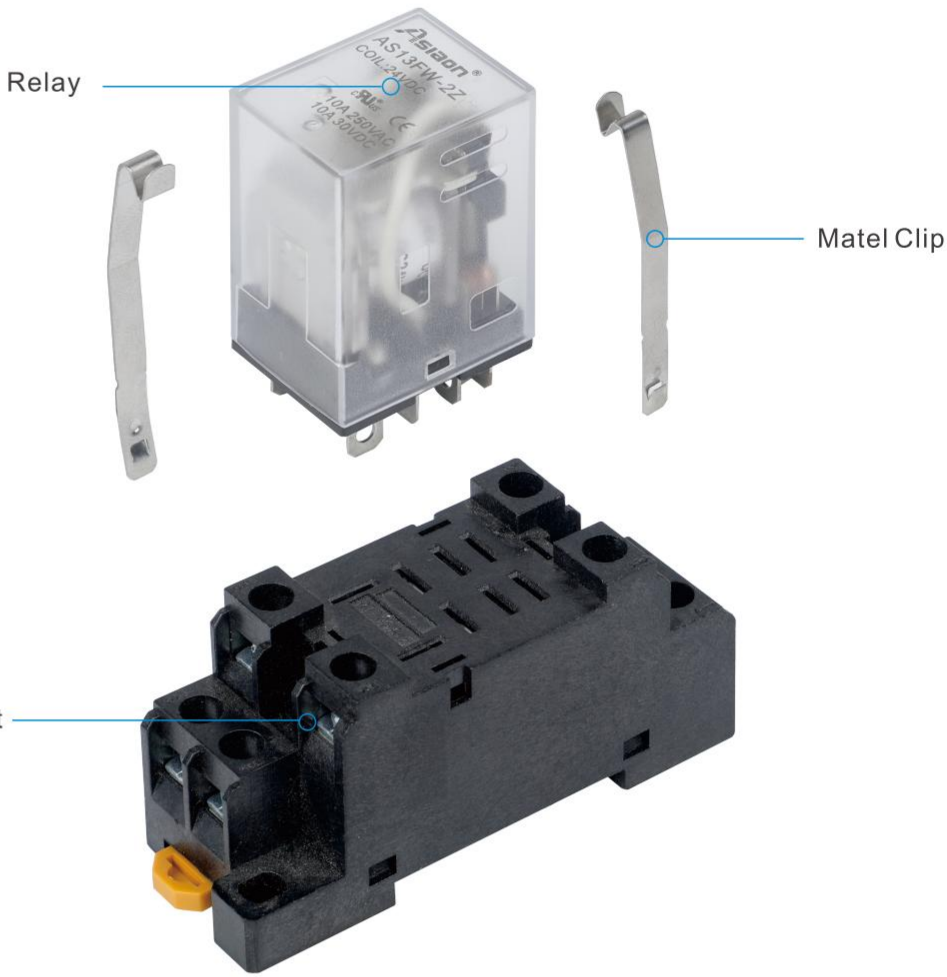
PYP14

Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	4000
	Between contacts	V/S	2000
Wire Size	AWG/mm ²	/	
Tightening Torque	Nm	/	
Terminal Ingress Protection		/	

Matched Accessories

Socket	Clip	Module	DIN Rail
PYP08	K-35T	/	/
PYP11			
PYP14			



Relay

Metal Clip

Socket

Sockets Selection Table

T Series			
	PTF□□A	PTF□□A-E	PTP□□

Note: Please refer to the last page for other compatible accessories.



AS13FW 1Z
(LY1)



AS13FW 2Z
(HH62P LY2)



AS13FW 3Z
(HH63P LY3)



AS13FW 4Z
(HH64P LY4)



Features

- small size, good control response, low coil operating power
- Rated Load 1Z 15A; 2Z 10A

Ordering Information

Mount Type

W: Wide Type Plug in
WS: Wide Type plug in&Flange
WP: Wide Type&PCB

Options

L:LED D:diode

Contact Form

1Z(Z:C H:A D:B)
2Z(Z:C H:A D:B)
3Z(Z:C H:A D:B)
4Z(Z:C H:A D:B)

Voltage Type

D:DC A:AC

Coil Voltage

see coil data

Contact Material

1:AgSnO₂ 2:AgNi

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

Specifications

Contact	Contact Form	1Z	2Z	3Z	4Z
	Rated Load	15A 250VAC/30VDC	10A 250VAC/30VDC		
Characteristics	Electrical/Mechanical Life	≥100000times/1000000times			
	Initial Contact Resistance	≤100MΩ (1A 6VDC)			
	Contact Material	AgSnO ₂ AgNi			
	Insulation Resistance	≥500MΩ (500VDC)			
	Dielectric Strength	Between open contacts≥1000VAC/1min Between poles≥1500VAC/1min Between contact and coil ≥1500VAC/1min			
Coil	Operate/Release Time	≤25ms/25ms			
	Terminal Type	Plug in/PCB			
	Operating PowerDC/AC	0.9W/1.2VA		1.4W/2.0VA	1.5W/2.5VA

DC Coil Data(1Z, 2Z)

Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
5	4.0	0.5	28
6	4.8	0.6	40
12	9.6	1.2	160
24	19.2	2.4	650
48	38.4	4.8	2560
110	88.0	11.0	11000

AC Coil Data(1Z, 2Z)

Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	10.5
12	9.6	3.6	46.5
24	19.2	7.2	192
48	38.4	14.4	783
110/120	88.0	33.0	4000
220/240	176.0	66.0	15000

DC Coil Data(3Z)

Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
5	4.0	0.5	18
6	4.8	0.6	25.7
12	9.6	1.2	103
24	19.2	2.4	410
48	38.4	4.8	1700
110	88.0	11.0	8500

AC Coil Data(3Z)

Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	6.3
12	9.6	3.6	24
24	19.2	7.2	100
48	38.4	14.4	400
110/120	88.0	33.0	2500
220/240	176.0	66.0	9200

DC Coil Data(4Z)

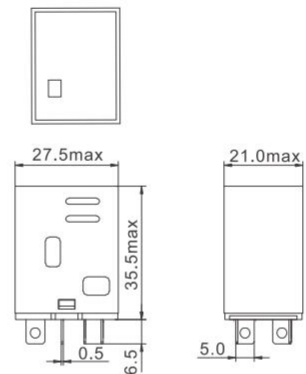
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
5	4.0	0.5	16.6
6	4.8	0.6	25
12	9.6	1.2	100
24	19.2	2.4	350
48	38.4	4.8	1600
110	88.0	11.0	6900

AC Coil Data(4Z)

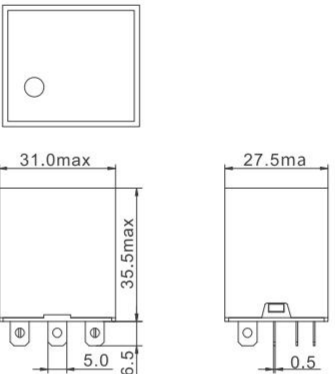
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	5
12	9.6	3.6	20
24	19.2	7.2	78
48	38.4	14.0	320
110/120	88.0	33.0	1850
220/240	176.0	66.0	7400

Dimensions (mm)

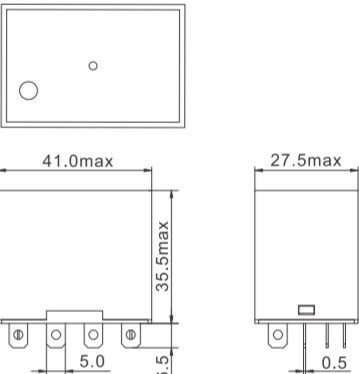
AS13FW 1Z/2Z



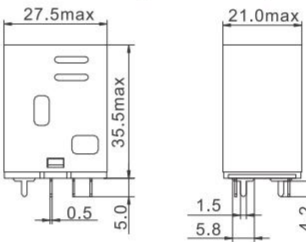
AS13FW 3Z



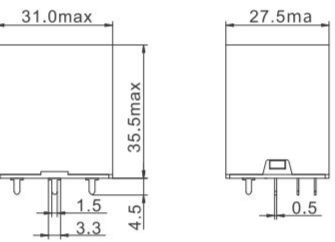
AS13FW 4Z



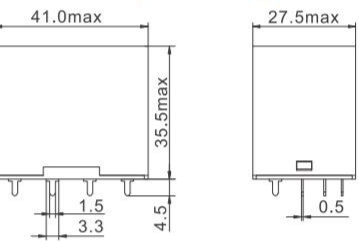
AS13FWP 1Z/2Z(PCB Mount)



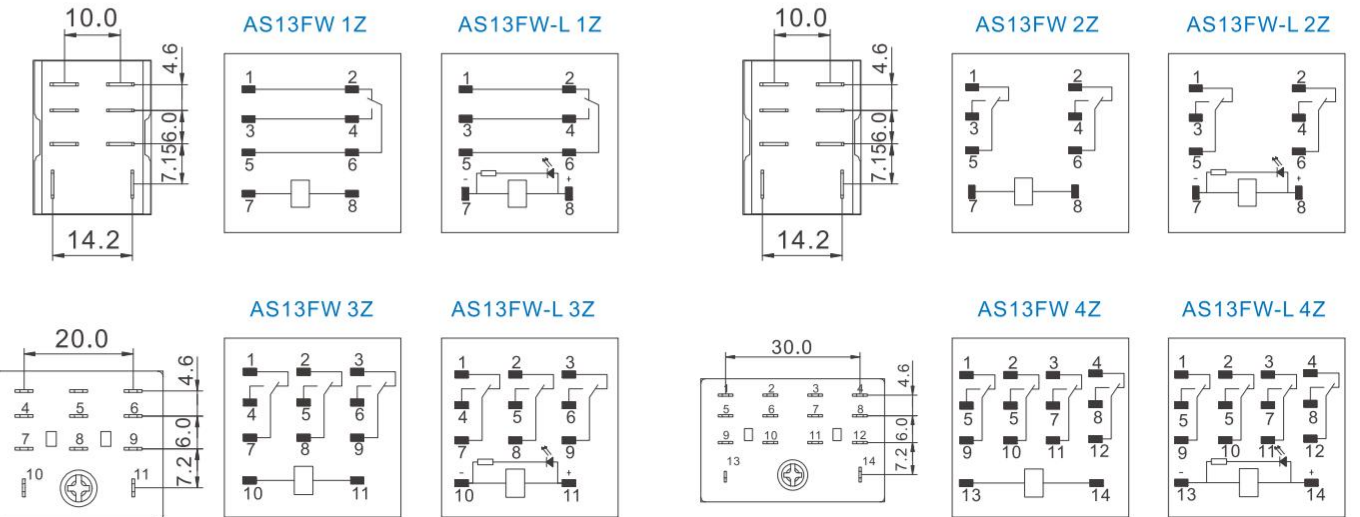
AS13FWP 3Z(PCB Mount)



AS13FWP 4Z(PCB Mount)



Wiring Diagrams



AS36FW Industrial Relay



AS36FW-LS 1Z (35.01) AS36FW-LS 2Z (35.02)



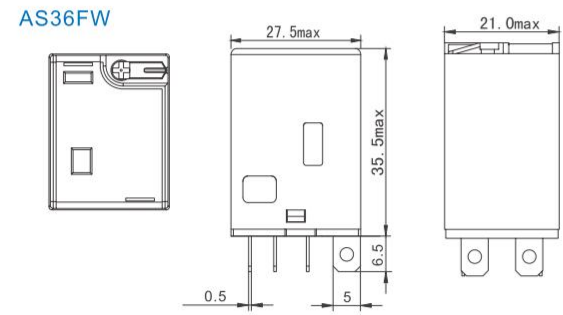
Specifications

Contact	Contact Form	1Z	2Z
	Rated Load	15A 250VAC /30VDC	10A 250VAC /30VDC
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂ AgNi	
Characteristics	Insulation Resistance	≥500MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil ≥1500VAC/1min	
	Operate/Release Time	≤25ms/25ms	
Coil	Terminal Type	Plug in/PCB	
	Operating PowerDC/AC	0.9W/1.2VA	

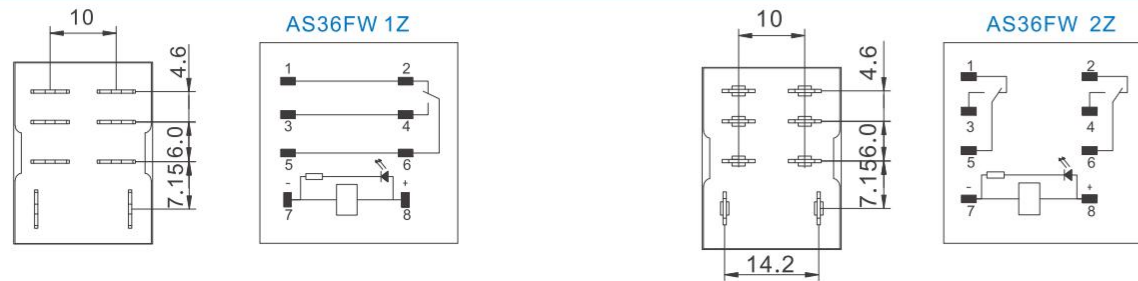
DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
5	4.0	0.5	28
6	4.8	0.6	40
12	9.6	1.2	160
24	19.2	2.4	650
48	38.4	4.8	2560
110	88.0	11.0	11000

Dimensions (mm)



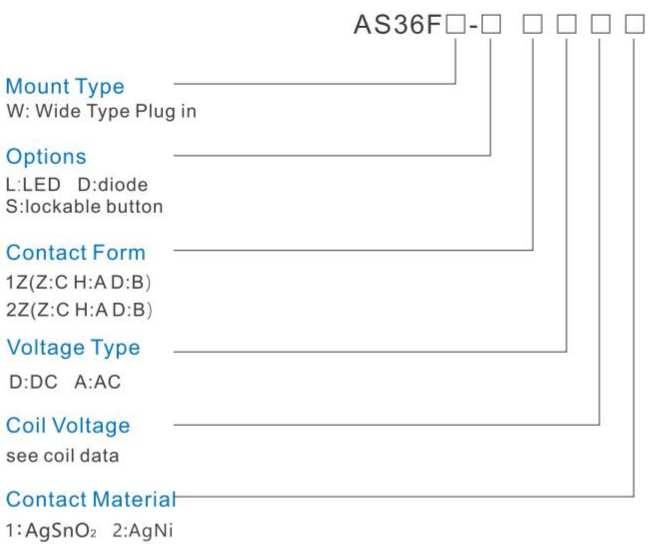
Wiring Diagrams



Features

- ◆ with LED indicator
- ◆ with lockable test button and inspection window
- ◆ Rated Load 1Z 15A; 2Z 10A

Ordering Information



Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	10.5
12	9.6	3.6	46.5
24	19.2	7.2	192
48	38.4	14.4	783
110/120	88.0	33.0	4000
220/240	176.0	66.0	15000

AS11FW Industrial Relay



AS11FW 2Z (JQX-11F)



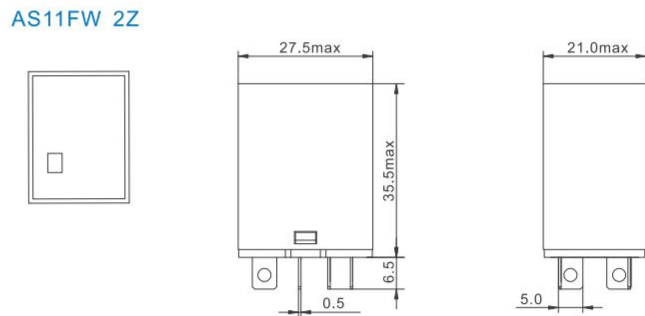
Specifications

Contact	Contact Form	2Z
	Rated Load	20A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂ AgNi
Characteristics	Insulation Resistance	≥500MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min
		Between poles≥1500VAC/1min
		Between contact and coil ≥1500VAC/1min
	Operate/Release Time	≤25ms/25ms
Coil	Terminal Type	Plug in/PCB
	Operating PowerDC/AC	1.2W/1.6VA

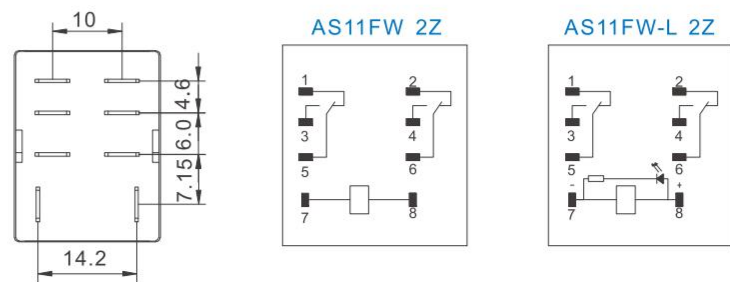
DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	30
12	9.6	1.2	120
24	19.2	2.4	480
48	38.4	4.8	1920
110	88.0	11.0	10080

Dimensions (mm)



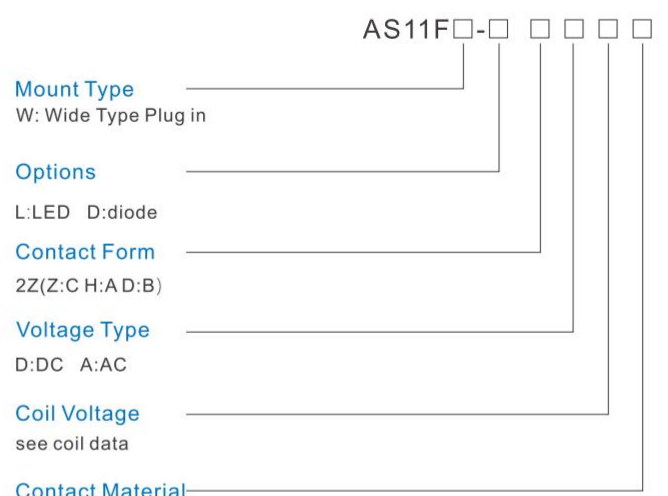
Wiring Diagrams



Features

- ◆ small size
- ◆ high rated load 2Z 20A

Ordering Information



Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
12	9.6	3.6	31.5
24	19.2	7.2	126
48	38.4	14.4	504
110	88.0	36.0	2650
220	176.0	72.0	10600
240	176.0	72.0	12600

PTF Series Sockets



PTF □ □ A

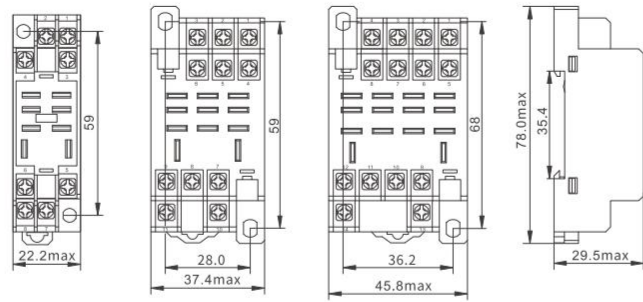


Product Appearance



PTF □ □ A

Dimensions (mm)

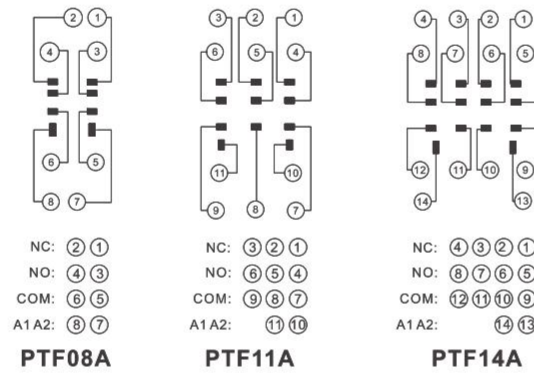


PTF08A

PTF11A

PTF14A

Connection Diagrams



Specifications

Dielectric Strength	Current/Voltage	A/VAC	7/300
	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size		AWG/mm2	20-16/0.5-1.5
Tightening Torque		Nm	0.7

Matched Accessories

Socket	Clip	Module	DIN Rail
PTF08A	K-35S	/	
PTF11A			
PTF14A			

PTF □ □ A-E

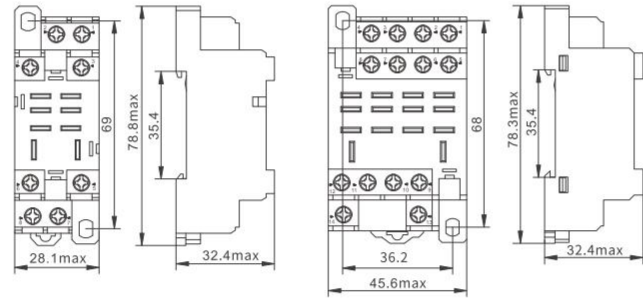


Product Appearance



PTF □ □ A-E

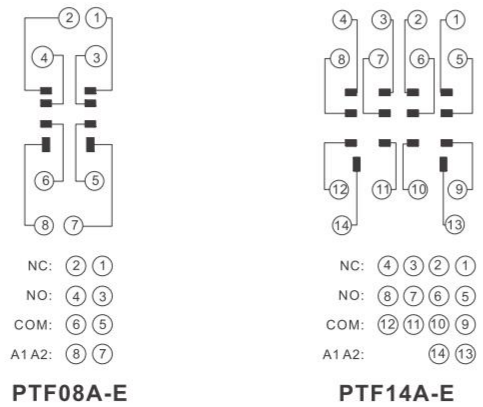
Dimensions (mm)



PTF08A-E

PTF14A-E

Connection Diagrams



Specifications

Dielectric Strength	Current/Voltage	A/VAC	7/300
	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size		AWG/mm2	20-16/0.5-1.5
Tightening Torque		Nm	0.7
Terminal Ingress Protection			IP20

Matched Accessories

Socket	Clip	Module	DIN Rail
PTF08A-E	K-35S	/	
PTF11A-E			
PTF14A-E			

PTP Series Sockets



PTP □ □

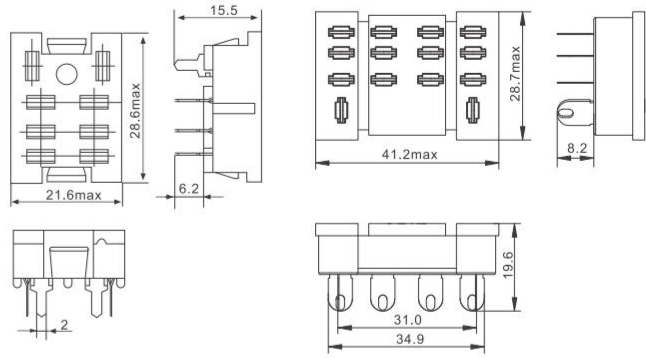


Product Appearance



PTP □ □
(PT-08A)

Dimensions (mm)



PTP08

PTP14

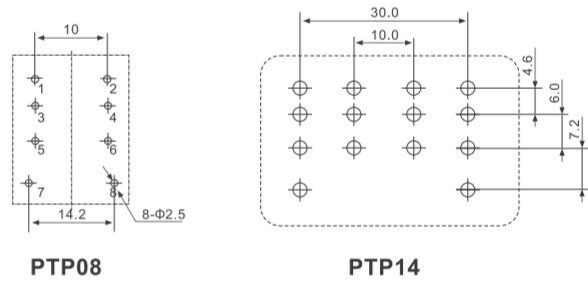
Specifications

Dielectric Strength	Current/Voltage	A/VAC	10/300
	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size		AWG/mm2	/
Tightening Torque		Nm	/

Matched Accessories

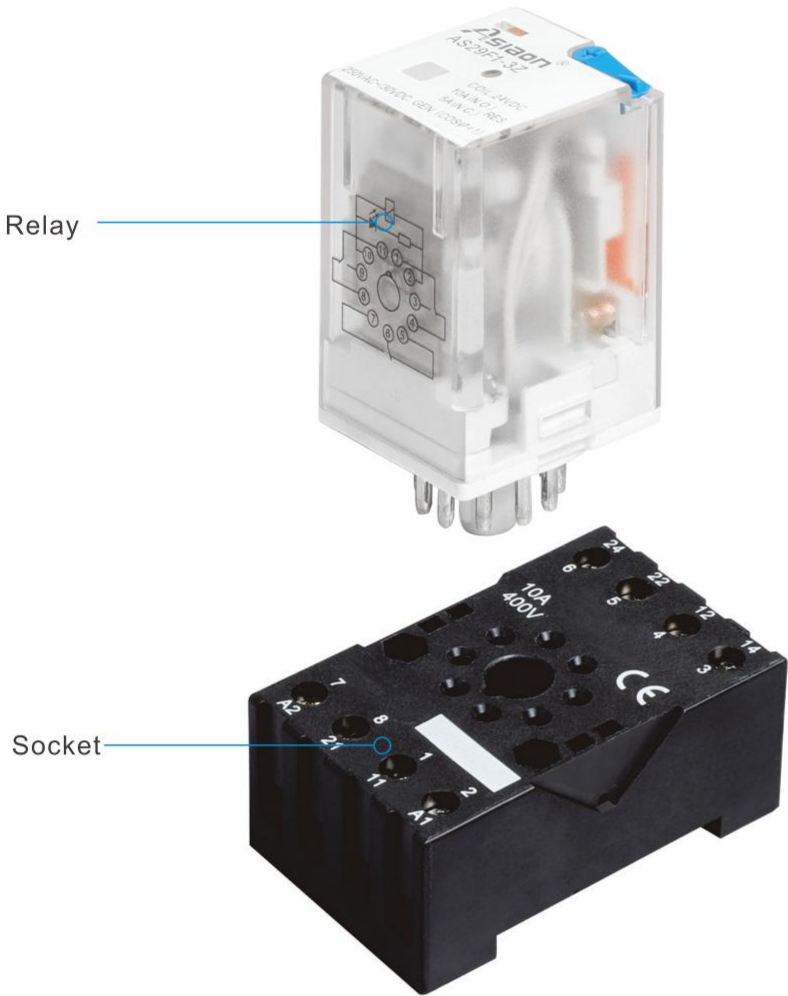
Socket	Clip	Module	DIN Rail
PTP08	K-35T	/	
PTP14			

Connection Diagrams



PTP08

PTP14



Sockets Selection Table

P Series							
	PPF□□A	PPF□□A-E	PPF□□A-E2	PPF□□A-E3	PPF□□-E	PPF□□-E2	US-□□A

Note: Please refer to the last page for other compatible accessories.

AS29F-LS 2Z
(90.2)

AS29F-LS 3Z
(90.3)

Specifications

Contact	Contact Form	2Z	3Z
	Rated Load	NO:10A 250VAC/30VDC	
		NC:5A 250VAC/30VDC	
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
Characteristics	Contact Material	AgSnO ₂ AgNi	
	Insulation Resistance	≥500MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil ≥1500VAC/1min	
	Operate/Release Time	≤25ms/25ms	
Coil	Terminal Type	Plug in	
	Operating PowerDC/AC	1.6W/2.8VA	

Features

- ♦ with LED indicator
- ♦ with lockable test button and inspection window
- ♦ rated Load 10A

Ordering Information

AS29F□-□□□□□

Mount Type

N/A: plug in

Options

L:LED D:diode
S:lockable button

Contact Form

2Z(Z:C H:A D:B)
3Z(Z:C H:A D:B)

Voltage Type

D:DC A:AC

Coil Voltage

see coil data

Contact Material

1:AgSnO₂ 2:AgNi

Notes:

We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

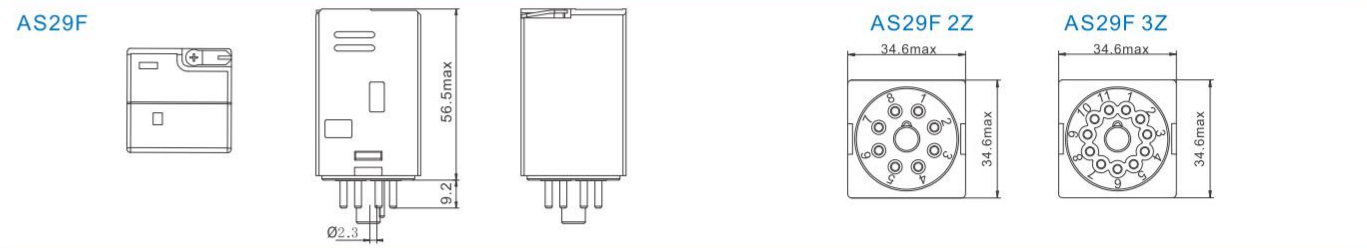
DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	22.5
12	9.6	1.2	90
24	19.2	2.4	360
48	38.4	4.8	1440
100	80.0	10.0	6250
110	88.0	11.0	7560

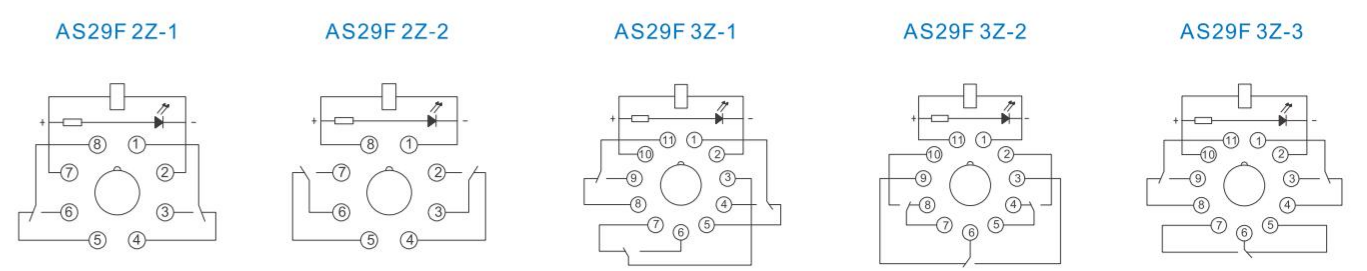
AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.80	1.8	4.5
12	9.60	3.6	18
24	19.2	7.2	72
48	38.4	14.4	288
110/120	88.0	33.0	1650
220/240	176	66.0	6800

Dimensions (mm)



Wiring Diagrams



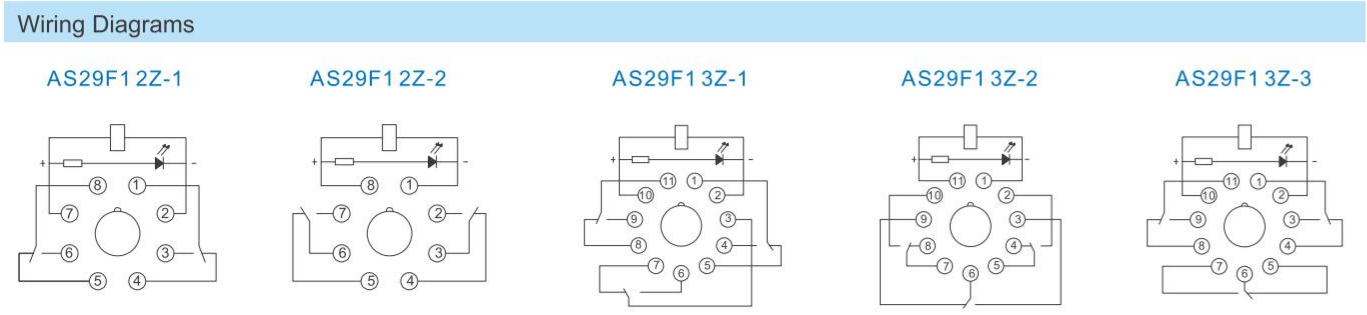
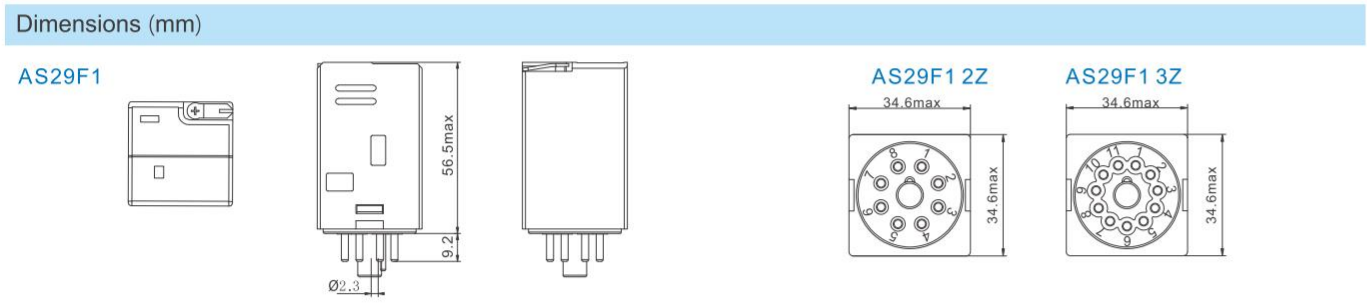
AS29F1 Industrial Relay



Specifications			
Contact	Contact Form	2Z	3Z
	Rated Load	NO:10A 250VAC/30VDC	
		NC:5A 250VAC/30VDC	
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂ AgNi	
Characteristics	Insulation Resistance	≥500MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil ≥1500VAC/1min	
	Operate/Release Time	≤25ms/25ms	
Coil	Terminal Type	Plug in	
	Operating PowerDC/AC	1.6W/2.8VA	

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	22.5
12	9.6	1.2	90
24	19.2	2.4	360
48	38.4	4.8	1440
100	80.0	10.0	6250
110	88.0	11.0	7560

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.80	1.8	4.5
12	9.60	3.6	18
24	19.2	7.2	72
48	38.4	14.4	288
110/120	88.0	33.0	1650
220/240	176	66.0	6800



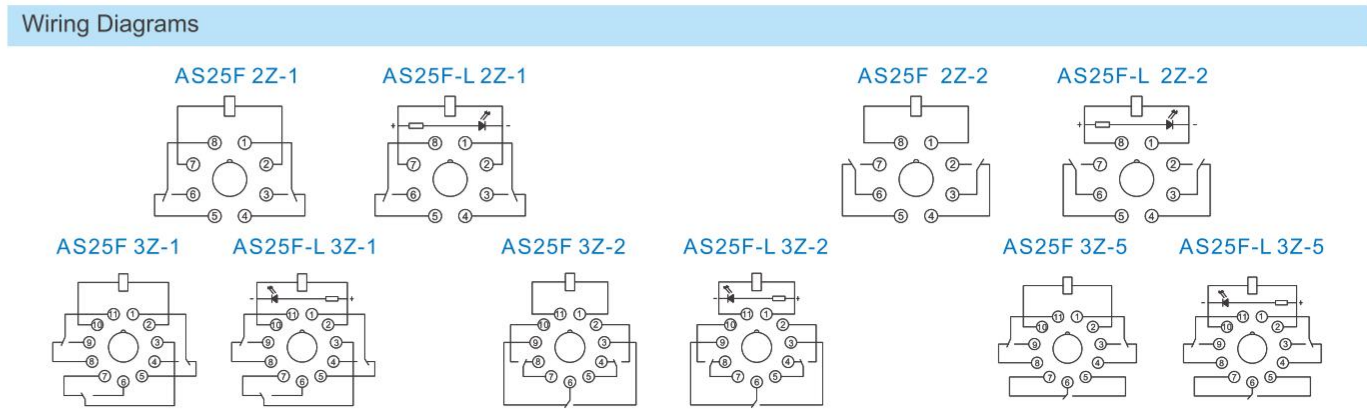
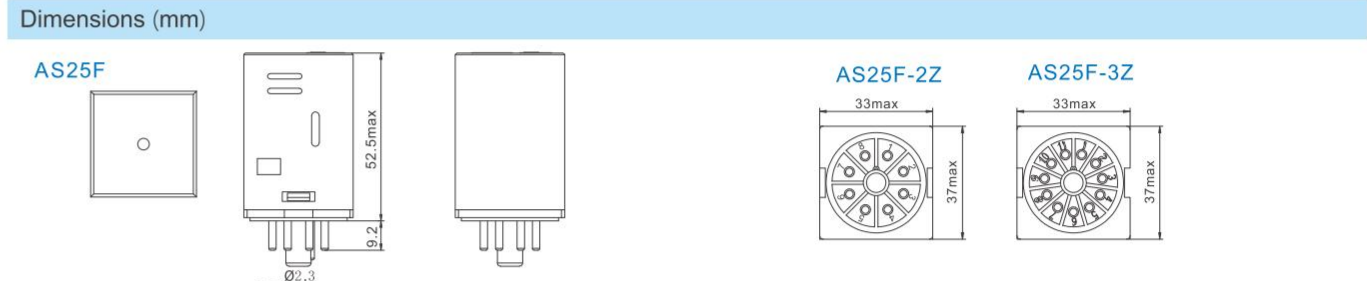
AS25F Industrial Relay



Specifications			
Contact	Contact Form	2Z	3Z
	Rated Load	NO:10A 250VAC/30VDC	
		NC:5A 250VAC/30VDC	
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂ AgNi	
Characteristics	Insulation Resistance	≥500MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil ≥1500VAC/1min	
	Operate/Release Time	≤25ms/25ms	
Coil	Terminal Type	Plug in	
	Operating PowerDC/AC	1.6W/2.8VA	

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	22.5
12	9.6	1.2	90
24	19.2	2.4	360
48	38.4	4.8	1440
100	80.0	10.0	6250
110	88.0	11.0	7560

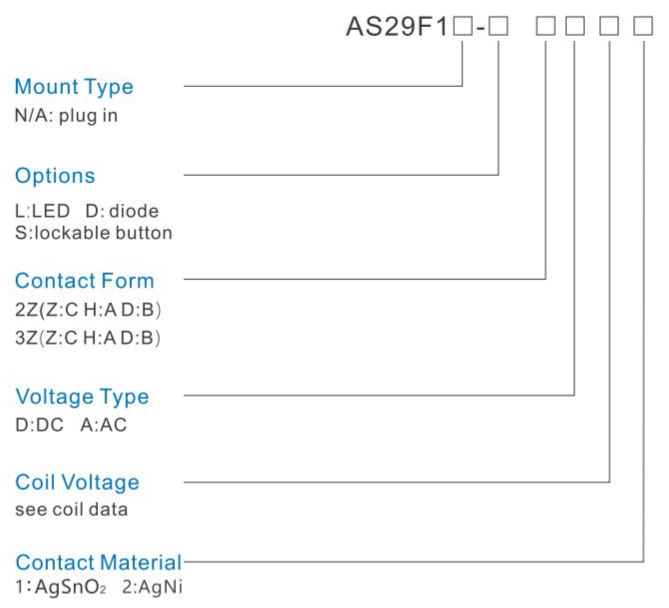
AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	4.5
12	9.6	3.6	18
24	19.2	7.2	72
48	38.4	14.4	288
110/120	88.0	33.0	1650
220/240	176.0	66.0	6800



Features

- ◆ with LED indicator
- ◆ with lockable test button and inspection window
- ◆ rated Load 10A

Ordering Information

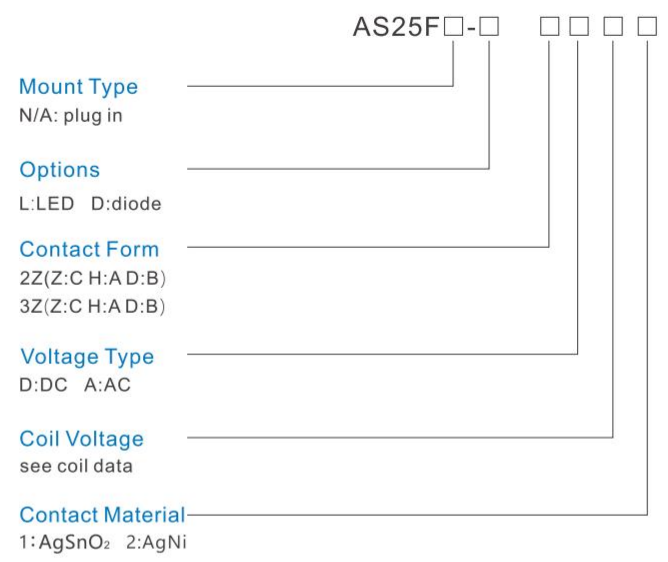


Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

Features

- ◆ with inspection window
- ◆ rated load 10A

Ordering Information



Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

AS10F Industrial Relay



AS10F 2Z
(JQX-10F 2Z)

AS10F 3Z
(JQX-10F 3Z)



Specifications			
Contact	Contact Form	2Z	3Z
	Rated Load	NO:10A 250VAC/30VDC	
		NC:5A 250VAC/30VDC	
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
Charact eristics	Contact Material	AgSnO ₂ AgNi	
	Insulation Resistance	≥500MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil ≥1500VAC/1min	
Coil	Operate/Release Time	≤25ms/25ms	
	Terminal Type	Plug in	
	Operating PowerDC/AC	1.6W/2.8VA	

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	22.5
12	9.6	1.2	90
24	19.2	2.4	360
48	38.4	4.8	1440
100	80.0	10.0	6250
110	88.0	11.0	7560

Features

- ♦ rated load 10A

Ordering Information

AS10F□-□ □ □ □ □

Mount Type
N/A: plug in

Options
L:LED D:diode

Contact Form
2Z(Z:C H:A D:B)
3Z(Z:C H:A D:B)

Voltage Type
D:DC A:AC

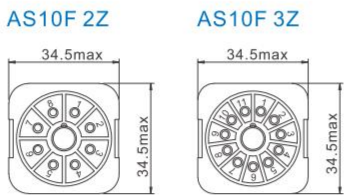
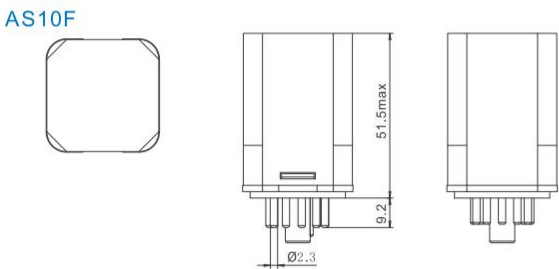
Coil Voltage
see coil data

Contact Material
1:AgSnO₂ 2:AgNi

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	4.5
12	9.6	3.6	18
24	19.2	7.2	72
48	38.4	14.4	288
110/120	88.0	33.0	1650
220/240	176.0	66.0	6800

Dimensions (mm)



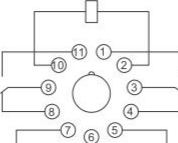
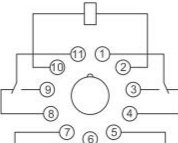
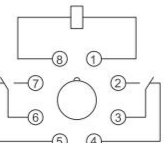
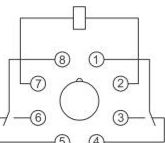
Wiring Diagrams

AS10F 2Z-1

AS10F 2Z-2

AS10F 3Z-1

AS10F 3Z-2



PPF Series Sockets



PPF□□A



Product Appearance



PPF□□A
(PF113A)

Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size	AWG/mm2	20-16/0.5-2.5	
Tightening Torque	Nm	0.8	

Matched Accessories

Socket	Clip	Module	DIN Rail
PPF08A	K-53	/	
PPF11A			

PPF□□A-E



Product Appearance



PPF□□A-E
(PF113A-E)

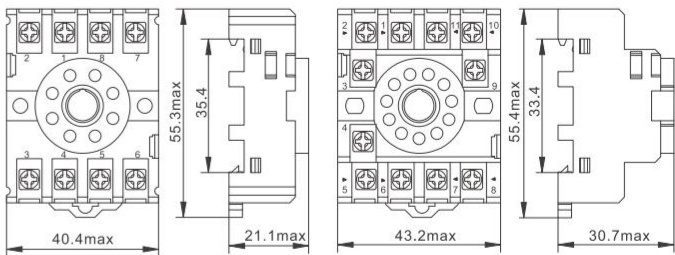
Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size	AWG/mm2	20-16/0.5-1.5	
Tightening Torque	Nm	0.8	
Terminal Ingress Protection		IP20	

Matched Accessories

Socket	Clip	Module	DIN Rail
PPF08A-E	K-53	/	
PPF11A-E			

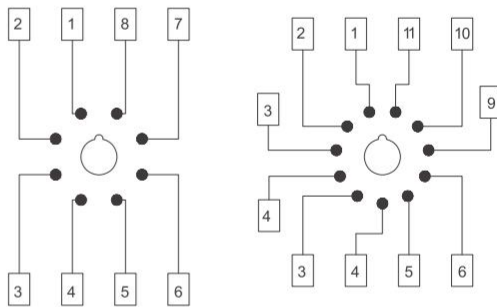
Dimensions (mm)



PPF08A

PPF11A

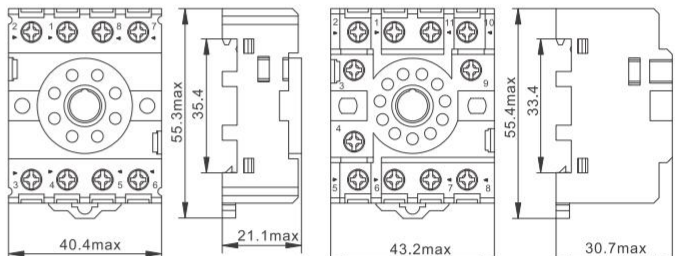
Connection Diagrams



PPF08A

PPF11A

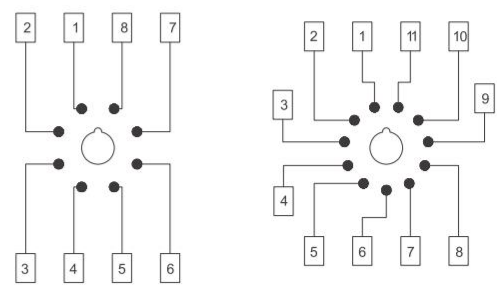
Dimensions (mm)



PPF08A-E

PPF11A-E

Connection Diagrams



PPF08A-E

PPF11A-E

PPF Series Sockets



PPF□□A-E2

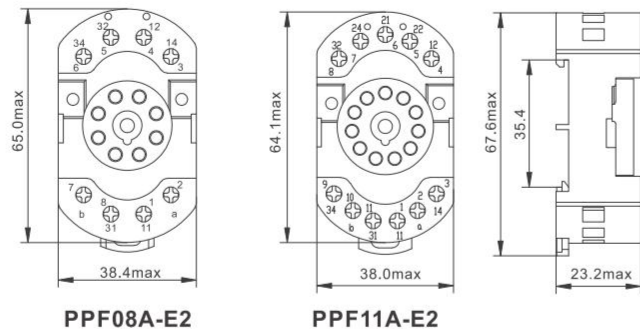


Product Appearance

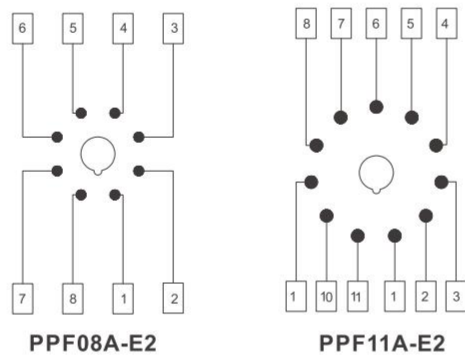


PPF□□A-E2
(90.23)

Dimensions (mm)



Connection Diagrams



Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	4000
	Between contacts	V/S	2500
Wire Size	AWG/mm2	20-14/0.5-2.5	
Tightening Torque	Nm	0.8	
Terminal Ingress Protection		IP20	

Matched Accessories

Socket	Clip	Module	DIN Rail
PPF08A-E2	K-53	/	
PPF11A-E2			

PPF□□A-E3

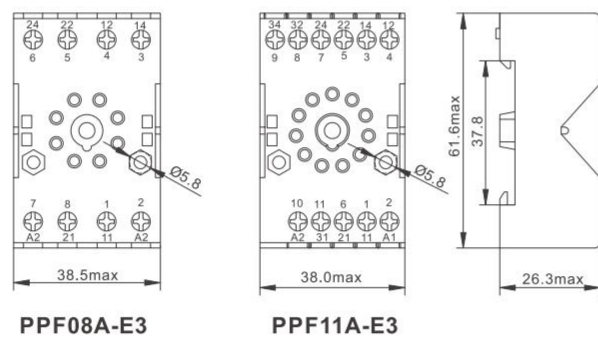


Product Appearance

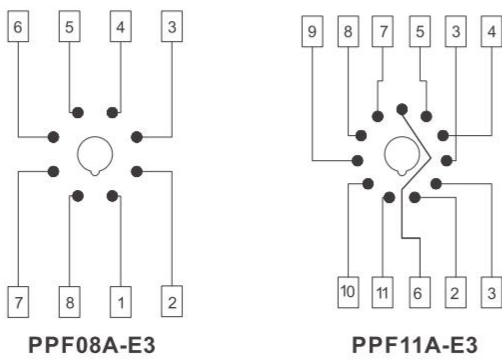


PPF□□A-E3
(AS770)

Dimensions (mm)



Connection Diagrams



Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size	AWG/mm2	20-14/0.5-2.5	
Tightening Torque	Nm	0.8	
Terminal Ingress Protection		IP20	

Matched Accessories

Socket	Clip	Module	DIN Rail
PPF08A-E3	K-53	/	
PPF11A-E3			

PPF Series Sockets



PPF□□-E

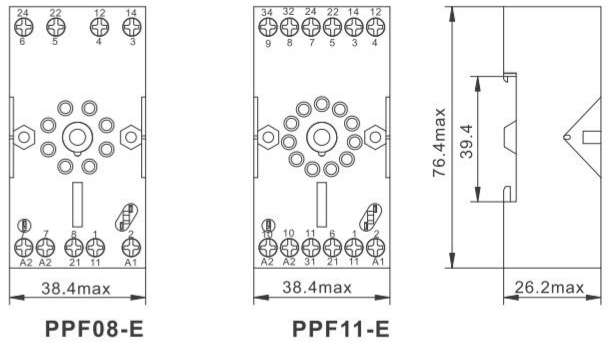


Product Appearance

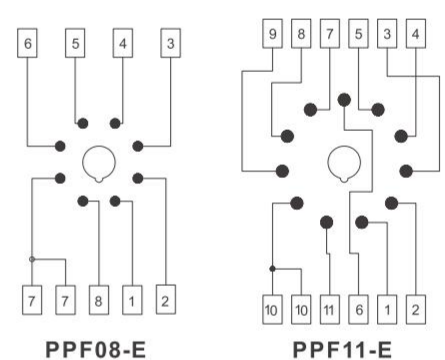


PPF□□-E
(MT740)

Dimensions (mm)



Connection Diagrams



Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size	AWG/mm2	20-14/0.5-2.5	
Tightening Torque	Nm	0.8	
Terminal Ingress Protection		IP20	

Matched Accessories

Socket	Clip	Module	DIN Rail
PPF08-E	K-53	AMD series	
PPF11-E			

PPF□□-E2

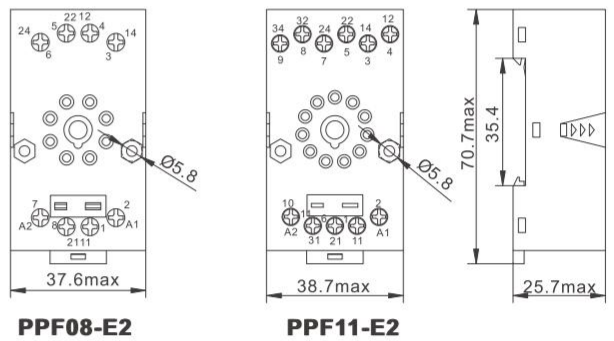


Product Appearance

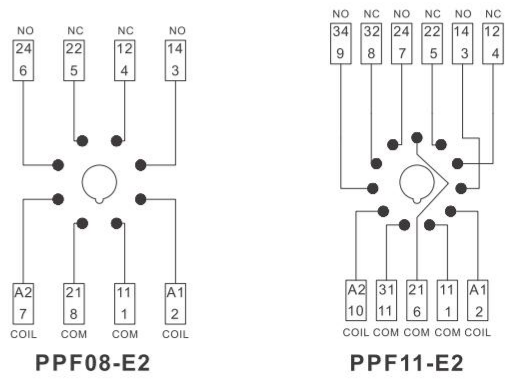


PPF□□-E2
(90.21)

Dimensions (mm)



Connection Diagrams



Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size	AWG/mm2	20-14/0.5-2.5	
Tightening Torque	Nm	0.8	
Terminal Ingress Protection		IP20	

Matched Accessories

Socket	Clip	Module	DIN Rail
PPF08-E2	K-53	AMC series	
PPF11-E2			

US Series Sockets



➡ **US-□□A**



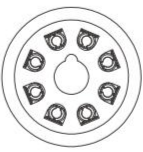
Product Appearance

Dimensions (mm)



US-08A

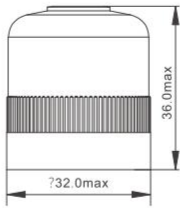
US-11A



US-08A



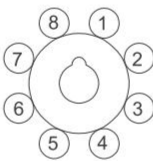
US-11A



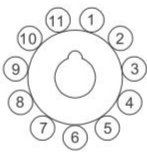
Specifications

Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil & Contacts	V/S	2000
	Between contacts	V/S	2000
Wire Size		AWG/mm2	
Tightening Torque		Nm	

Connection Diagrams

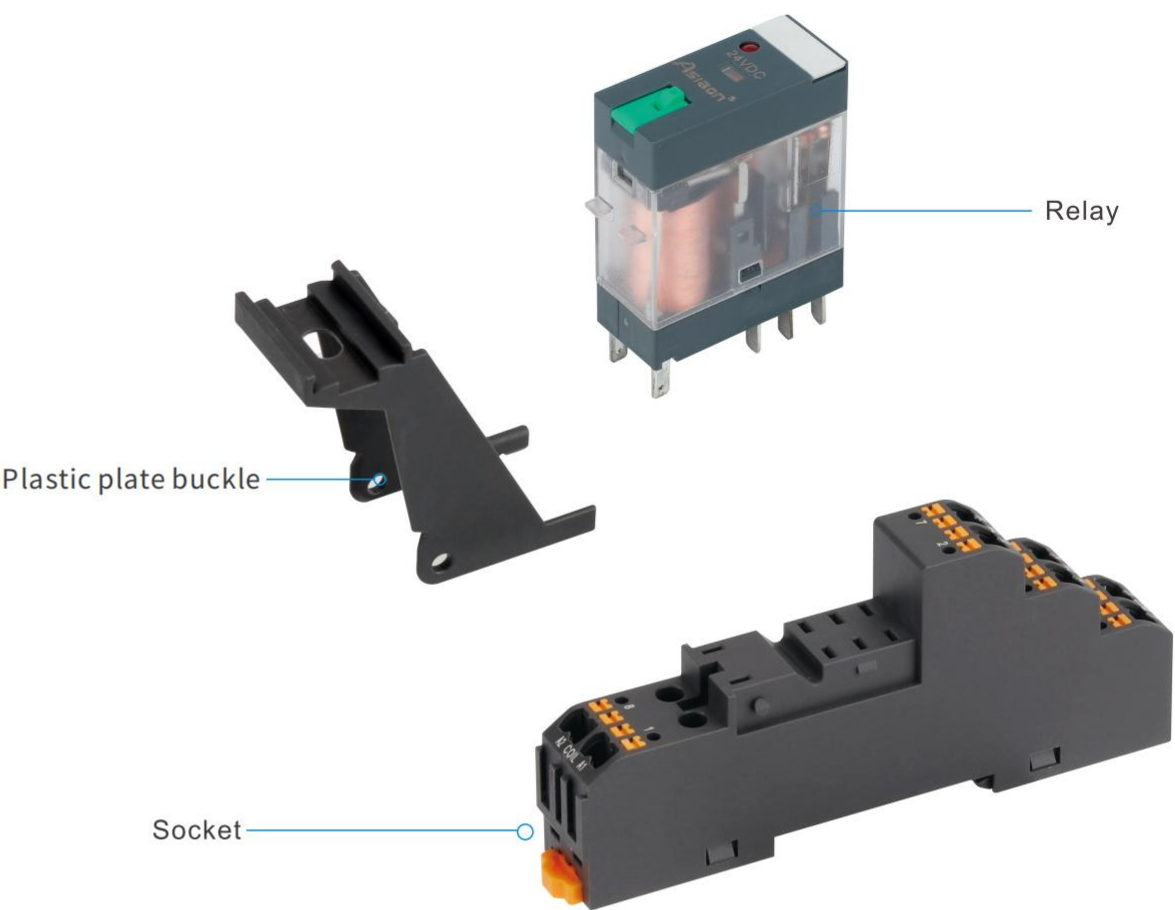


US-08A



US-11A

Interface R Series



Plastic plate buckle

Relay

Socket

Sockets Selection Table

R series					
	PRF□□-S3	PRF□□A-E	PRF□□-E	PRF□□A	PRP□□

Note: Please refer to the last page for other compatible accessories.

AS14F Interface Relay



AS14F Interface Relay





AS14F 1Z



AS14F 2Z



AS14F-L 1Z



AS14F-L 2Z

Features

- ♦ fast response
- ♦ slim size
- ♦ high rated Load 1Z 12A; 2Z 8A

Ordering Information

AS14F□-□□□□□

Mount Type
N/A: plug in

Options
L:LED D:diode

Contact Form
1Z(Z:C H:A D:B)
2Z(Z:C H:A D:B)

Voltage Type
D:DC A:AC

Coil Voltage
see coil data

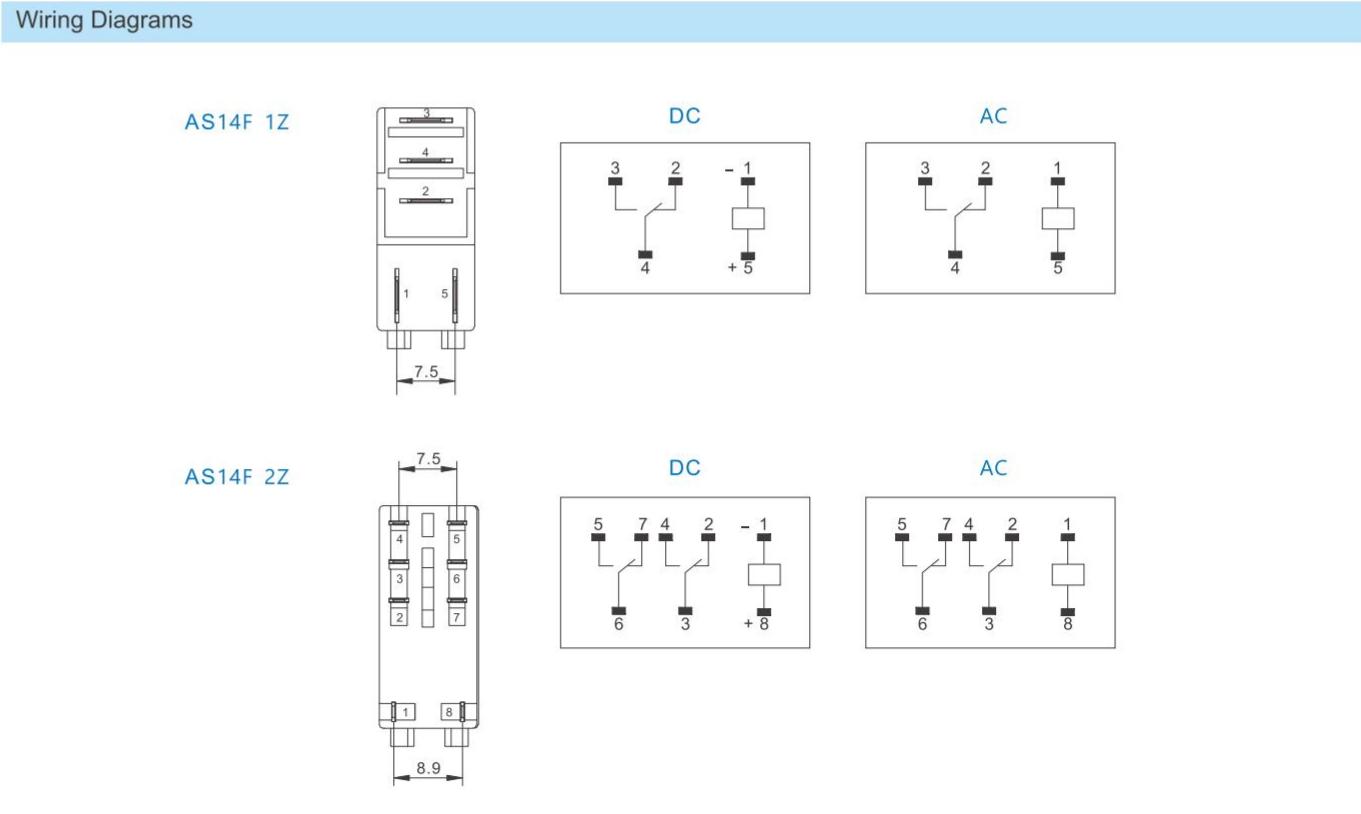
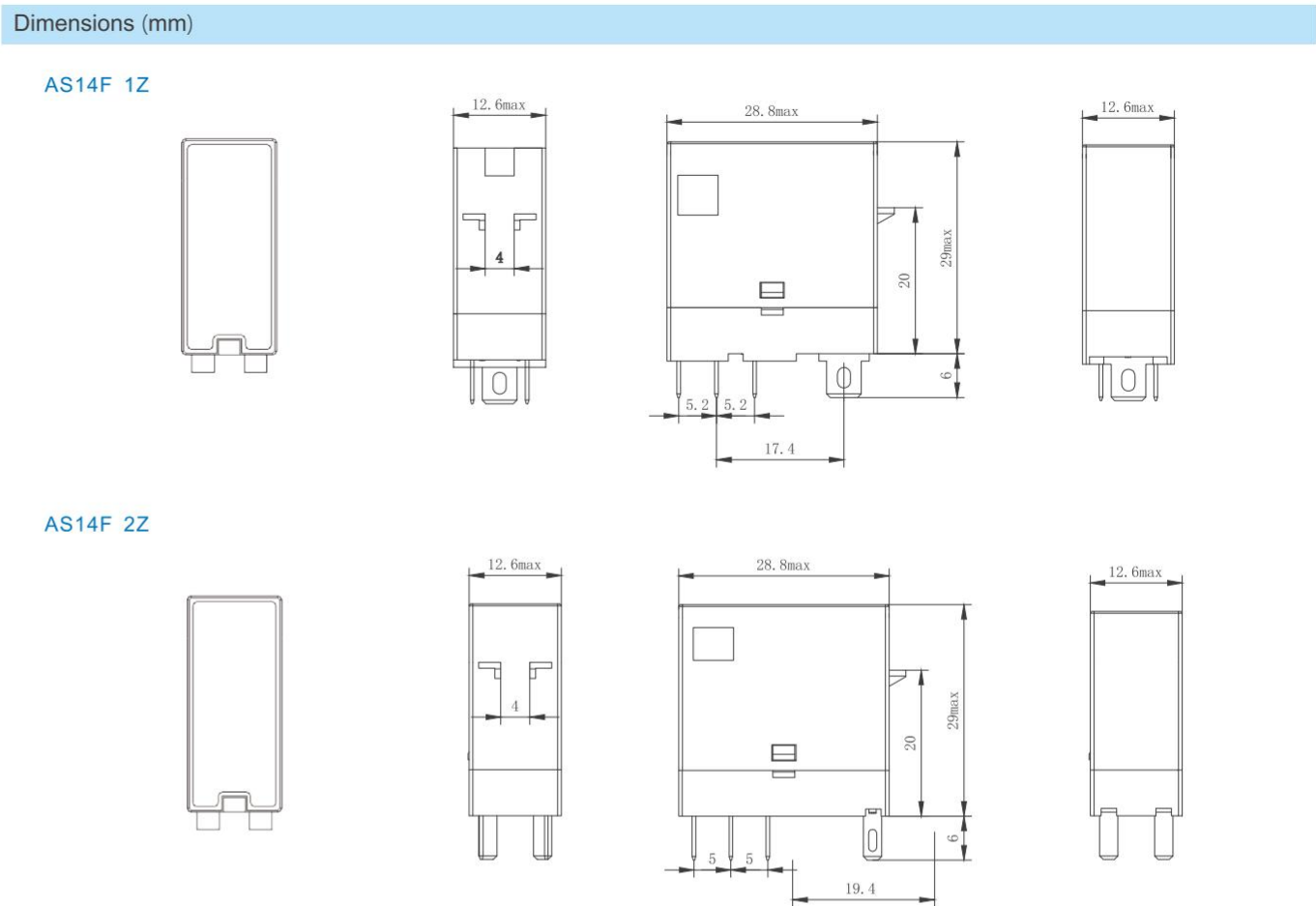
Contact Material
1:AgSnO₂ 2:AgNi

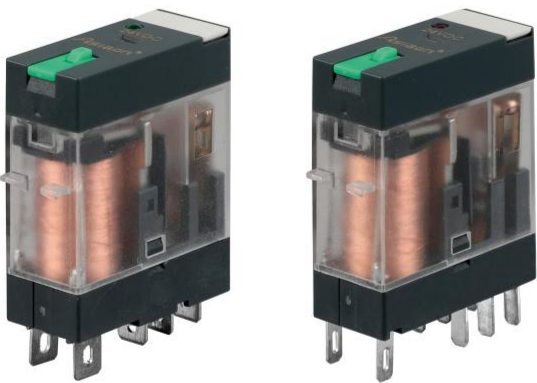


Specifications			
Contact	Contact Form	1Z	2Z
	Rated Load	12A 250VAC/30VDC	8A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100mΩ (1A 6VDC)	
	Contact Material	AgSnO ₂ AgNi	
Characteristics	Insulation Resistance	≤500MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil≥4000VAC/1min	
	Operate/Release Time	≤15ms/15ms	
Coil	Terminal Type	Plug in	
	Operating PowerDC/AC	0.53W/0.9VA	

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
3	2.25	0.3	17
5	3.75	0.5	47
6	4.5	0.6	68
9	6.75	0.9	150
12	9.0	1.2	270
18	13.5	1.8	610
24	18.0	2.4	1100
48	36.0	4.8	4220
110	82.5	11	22800

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	16
12	9.6	3.6	65
24	19.2	4.2	240
48	38.4	14.4	1080
115	88	33.0	6300
230	184	69.0	23000





AS14F-LS 1Z

AS14F-LS 2Z

Features

- ♦ fast response
- ♦ slim size
- ♦ with LED indicator,
- ♦ with lockable test button and inspection window
- ♦ Rated Load: 1Z 12A, 2Z 8A

Ordering Information

	AS14F	-					
Mount Type							
N/A: plug in							
Options							
L: LED D: diode							
S: lockable button							
Contact Form							
1Z(Z:C H:A D:B)							
2Z(Z:C H:A D:B)							
Voltage Type							
D: DC A: AC							
Coil Voltage							
see coil data							
Contact Material							
1: AgSnO ₂ 2: AgNi							



Specifications

Contact	Contact Form	1Z	2Z
	Rated Load	12A 250VAC/30VDC	8A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100mΩ (1A 6VDC)	
	Contact Material	AgSnO ₂ AgNi	
Characteristics	Insulation Resistance	≥500MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil≥4000VAC/1min	
	Operate/Release Time	≤15ms/15ms	
Coil	Terminal Type	Plug in	
	Operating PowerDC/AC	0.53W/0.9VA	

DC Coil Data

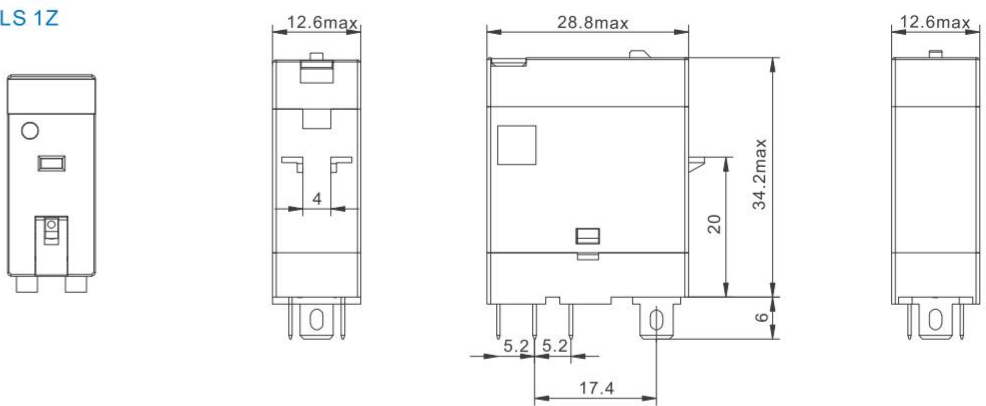
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
3	2.25	0.3	17
5	3.75	0.5	47
6	4.5	0.6	68
9	6.75	0.9	150
12	9.0	1.2	270
18	13.5	1.8	610
24	18.0	2.4	1100
48	36.0	4.8	4220
110	82.5	11	22800

AC Coil Data

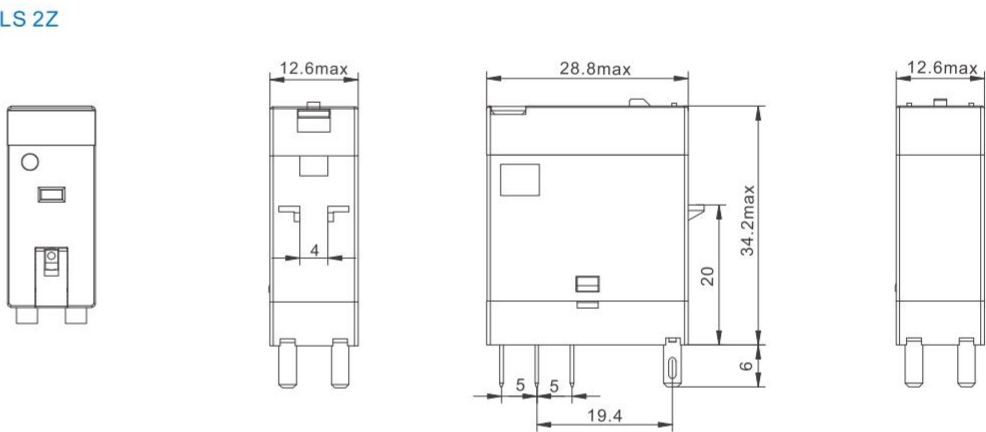
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	16
12	9.6	3.6	65
24	19.2	4.2	240
48	38.4	14.4	1080
115	88	33.0	6300
230	184	69.0	23000

Dimensions (mm)

AS14F-LS 1Z

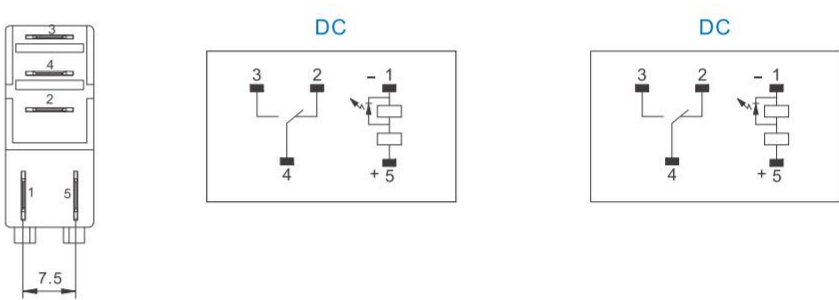


AS14F-LS 2Z

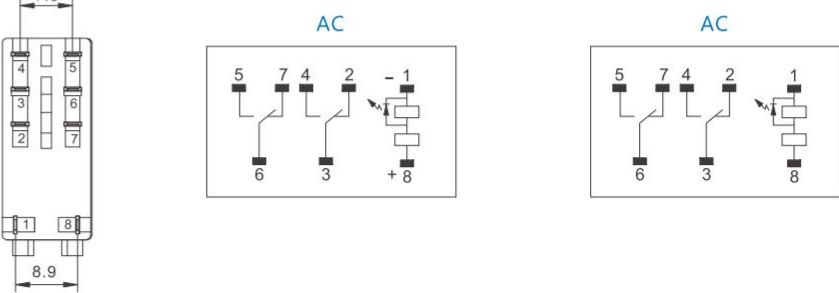


Wiring Diagrams

AS14F-LS 1Z



AS14F-LS 2Z



PRF Series Sockets



PRF□□A

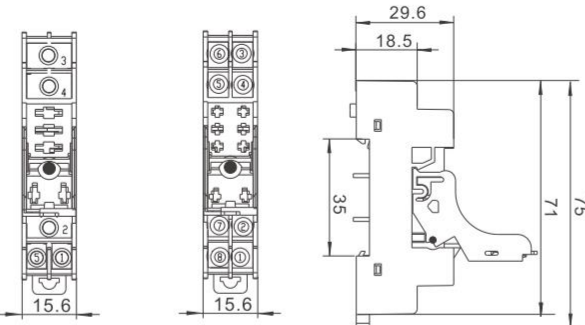


Product Appearance



PRF□□A

Dimensions (mm)



PRF05A PRF08A

Specifications

Rated Load	Current/Voltage	A/VAC	16/300	10/300
Dielectric Strength	Coil & Contacts	V/S	4000	
	Between contacts	V/S	2500	
Wire Size		AWG/mm2	20-14/0.5-2.5	
Tightening Torque		Nm	0.8	

Matched Accessories

Socket	Clip	Module	DIN Rail
PRF05A	K-25S (Pre-configured)	/	
PRF08A			

PRF□□A-E

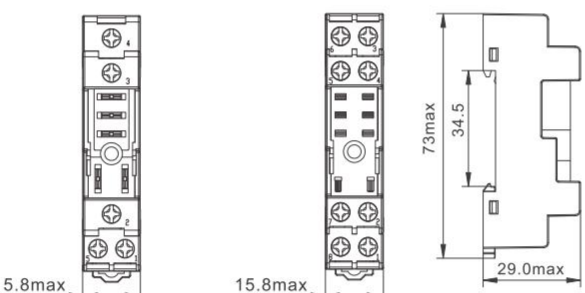


Product Appearance



PRF□□A-E

Dimensions (mm)



PRF05A-E PRF08A-E

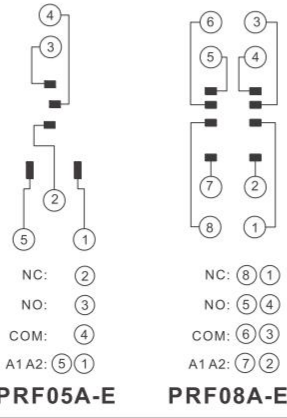
Specifications

Rated Load	Current/Voltage	A/VAC	16/300	10/300
Dielectric Strength	Coil & Contacts	V/S	4000	
	Between contacts	V/S	2500	
Wire Size		AWG/mm2	20-14/0.5-2.5	
Tightening Torque		Nm	0.8	
Terminal Ingress Protection			IP20	

Matched Accessories

Socket	Clip	Module	DIN Rail
PRF05A-E	B-25S (Pre-configured)	/	
PRF08A-E			

Connection Diagrams



PRF05A-E PRF08A-E

PRP系列插座



PRF□□-E

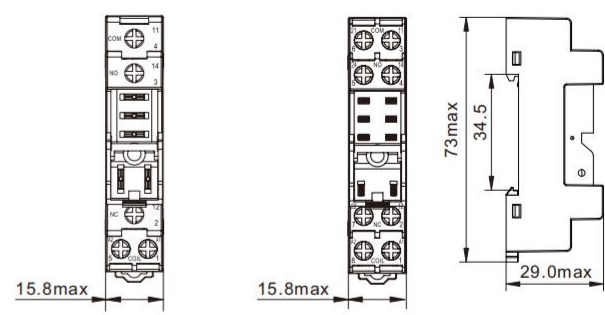


Product Appearance



PRF□□-E

Dimensions (mm)



PRF05-E PRF08-E

Specifications

Rated Load	Current/Voltage	A/VAC	16/300	10/300
Dielectric Strength	Coil & Contacts	V/S	4000	
	Between contacts	V/S	2500	
Wire Size		AWG/mm2	20-14/0.5-2.5	
Tightening Torque		Nm	0.8	
Terminal Ingress Protection			IP20	

Matched Accessories

Socket	Clip	Module	DIN Rail
PRF05-E	B-25S1	/	
PRF08-E			

PRF□□-S3

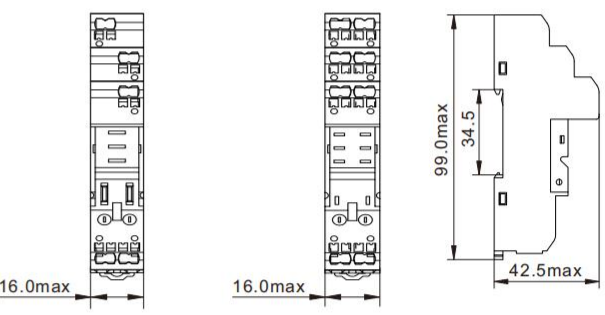


Product Appearance



PRF05-S3 PRF08-S3

Dimensions (mm)



PRF05-S3 PRF08-S3

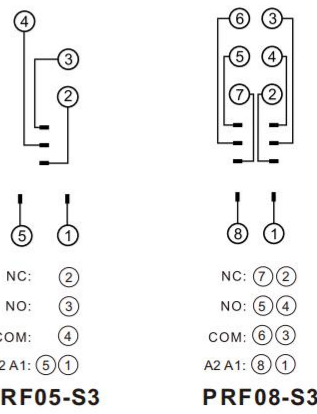
Specifications

Rated Load	Current/Voltage	A/VAC	16/300	10/300
Dielectric Strength	Coil & Contacts	V/S	4000	
	Between contacts	V/S	2500	
Wire Size		AWG/mm2	20-14/0.5-2.5	
Tightening Torque				
Terminal Ingress Protection			IP20	

Matched Accessories

Socket	Clip	Module	DIN Rail
PRF05-S3		AMB	
PRF08-S3			

Connection Diagrams



PRF05-S3 PRF08-S3



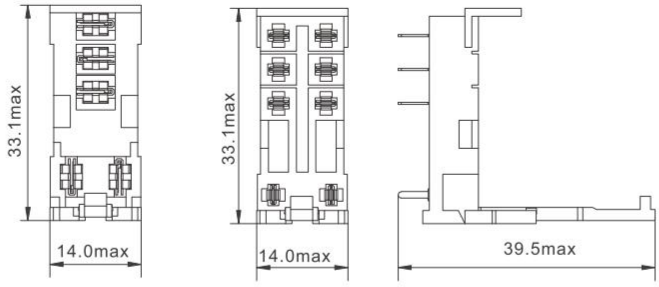
Product Appearance



Dimensions (mm)



PRP□□



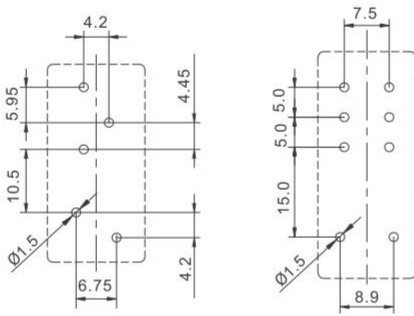
PRP05

PRP08

Specifications

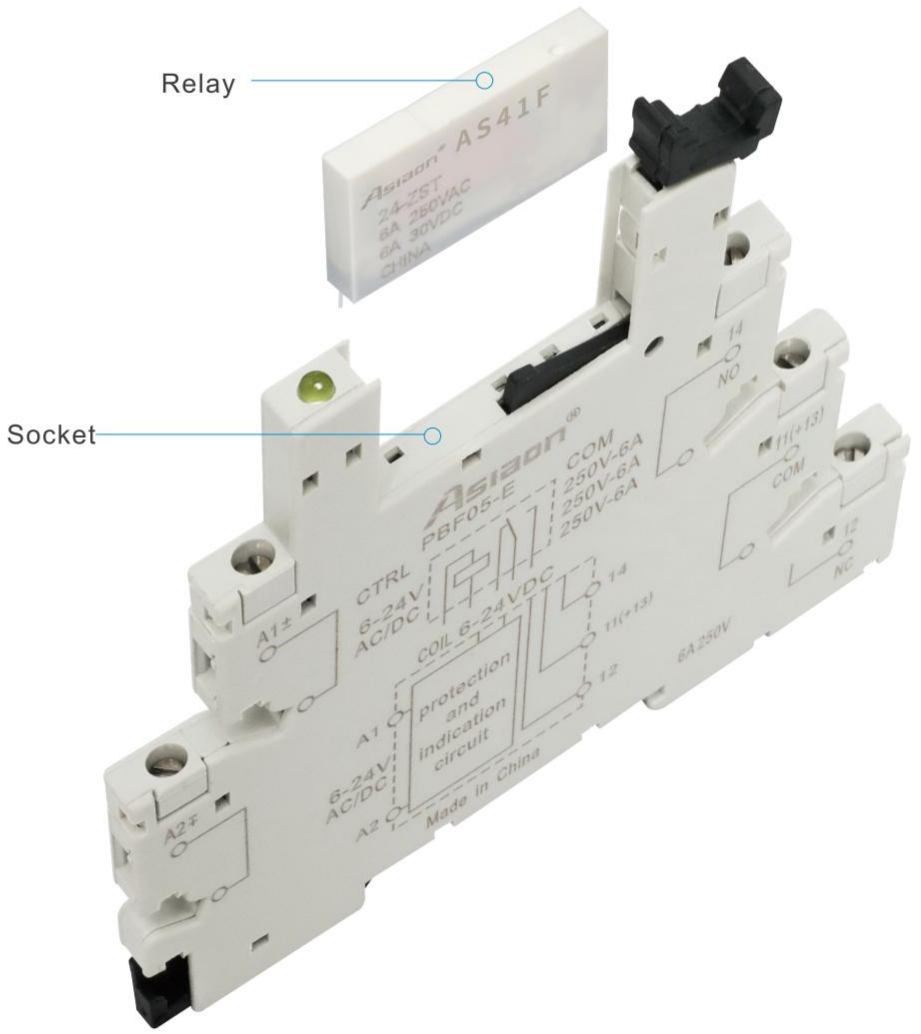
Rated Load	Current/Voltage	A/VAC	16/300	10/300
Dielectric Strength	Coil & Contacts	V/S	2000	
	Between contacts	V/S	2000	
Wire Size		AWG/mm2	/	
Tightening Torque		Nm	/	

Connection Diagrams



PRP05

PRP08



AS41F Interface Relay

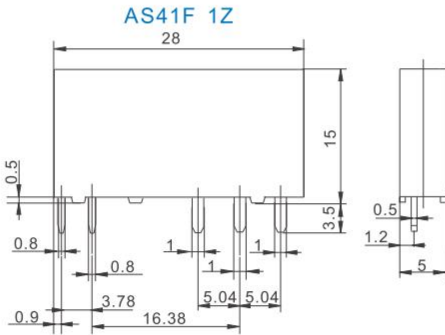
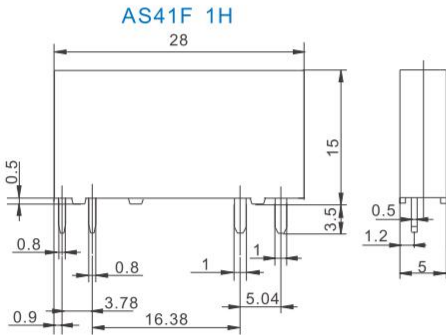


AS41F

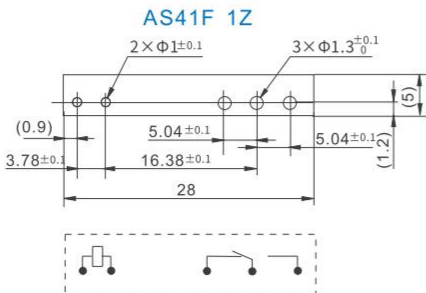
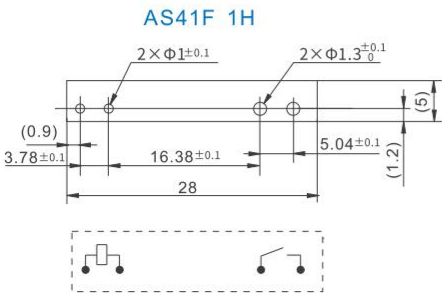


Specifications		
Contact	Contact Form	1H, 1Z
	Rated Load	6A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100mΩ (1A 6VDC)
	Contact Material	AgSnO ₂ AgNi
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min Between contact and coil≥4000VAC/1min
	Operate/Release Time	≤8ms/8ms
	Terminal Type	Plug in/PCB
Coil	Operating PowerDC	0.17W(48?60VDC 0.21W)

Dimensions (mm)



Wiring Diagrams



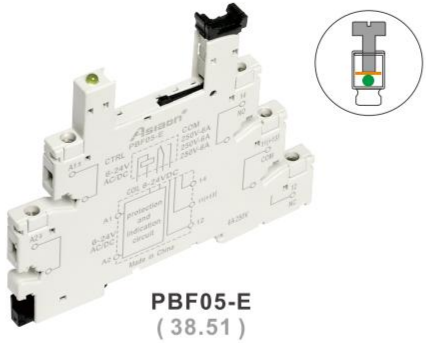
PBF Series Sockets



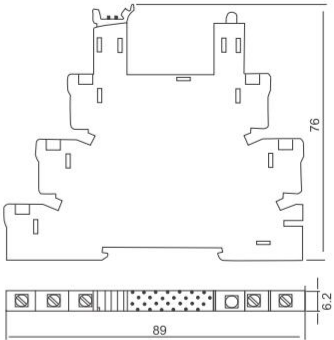
PBF05-E



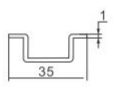
Product Appearance



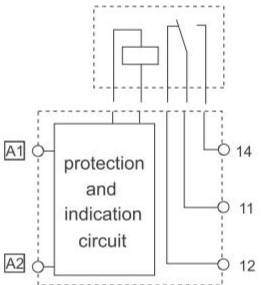
Dimensions (mm)



Specifications			
Rated Load	Current/Voltage	A/VAC	6/300
Dielectric Strength	Coil & Contacts	V/S	4000
	Between contacts	V/S	2000
Wire Size	AWG/mm ²		20-16/0.5-1.5
Tightening Torque	Nm		0.5
Terminal Ingress Protection			IP20

Matched Accessories			
Socket	A1.A2 Input Voltage	Relay Coil Voltage	DIN Rail
PBF05-E 6-24V	6-24VAC/DC	6-24VDC	
PBF05-E 48-60V	48-60VAC/DC	48-60VDC	
PBF05-E 110V	110VAC/DC	48VDC	
PBF05-E 230V	230VAC/DC	60VDC	

Connection Diagrams





AS62FD 1Z
(JQX-62FD-1Z 80A)

CE

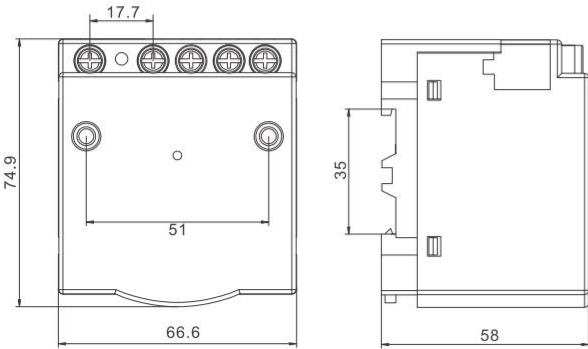
Specifications		
Contact	Contact Form	1Z
	Rated Load	80A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min Between contact and coil ≥2500VAC/1min
	Operate/Release Time	≤ 25ms/25ms
	Terminal Type	Quick screw connection
Coil	Operating PowerDC/AC	2.0W/4VA

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	18
12	9.6	1.2	70
24	19.2	2.4	290
48	38.4	4.8	1150
60	48.0	6.0	1800
110	88.0	11.0	6050

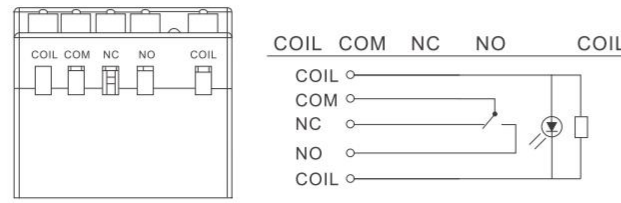
AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	9
12	9.6	3.6	36
24	19.2	7.2	144
48	38.4	14.4	576
110	88.0	36.0	3025
220/240	176.0	72.0	12000/14400

Dimensions (mm)

AS62FD 1Z



AS62FD 1Z



Features

- ◆ small size , replace 62F relay
- ◆ Din-Rail installation, quick screw connection
- ◆ with LED indicator
- ◆ high rated load 1Z 80A

Ordering Information

AS62FD-□□□□□

Terminal Type _____
N: quick screw connection

Options _____
N/A

Contact Form _____
1Z(Z:C H:A D:B)

Voltage Type _____
D:DC A:AC

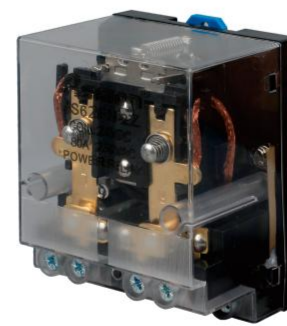
Coil Voltage _____
see coil data

Contact Material _____
1: AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



Din-Rail Mount



AS62FN 1Z
(JQX-62FN 1Z 120A)

AS62FN 2Z
(JQX-62FN 2Z 80A)

CE

Specifications		
Contact	Contact Form	1Z 2Z
	Rated Load	120A 250VAC/30VDC 80A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min Between poles≥1500VAC/1min Between contact and coil ≥2500VAC/1min
	Operate/Release Time	≤ 25ms/25ms
	Terminal Type	Quick screw connection
Coil	Operating PowerDC/AC	2.0W/4VA

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	18
12	9.6	1.2	70
24	19.2	2.4	290
48	38.4	4.8	1150
60	48	6	1800
110	88.0	11.0	6050

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	9
12	9.6	3.6	36
24	19.2	7.2	144
48	38.4	14.4	576
110	88	36	3025
220/240	176.0	72.0	12000/14400



Din-Rail Mount

Features

- ◆ Automatic switch between electric supply and generators
- ◆ Din-Rail installation, quick screw connection
- ◆ with LED indicator
- ◆ high rated load 2Z 80A;1Z 120A

Ordering Information

AS62F□-□□□□□

Terminal Type _____
N: quick screw connection

Options _____
L:LED D:diode

Contact Form _____
1Z(Z:C H:A D:B)
2Z(Z:C H:A D:B)

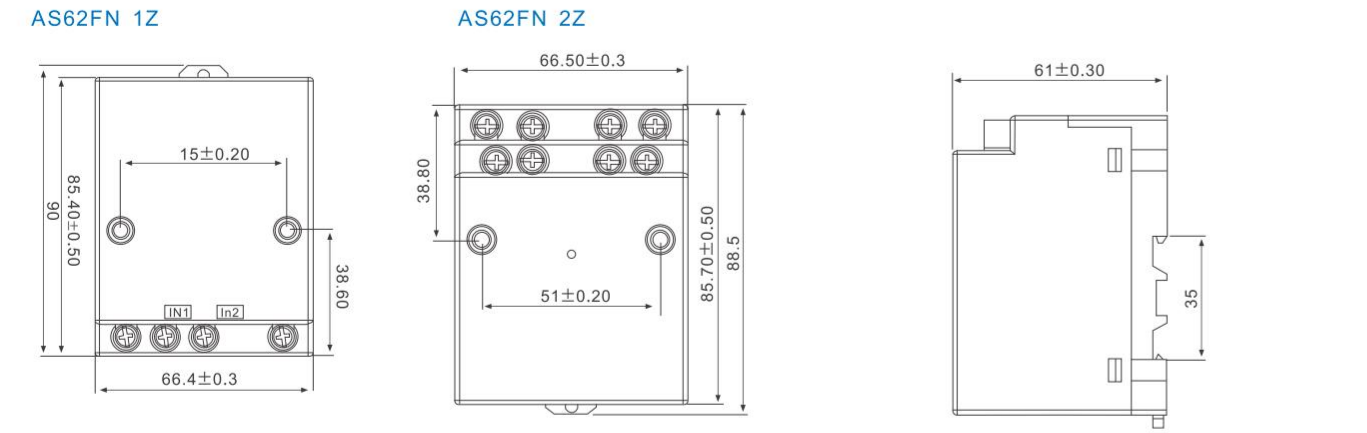
Voltage Type _____
D:DC A:AC

Coil Voltage _____
see coil data

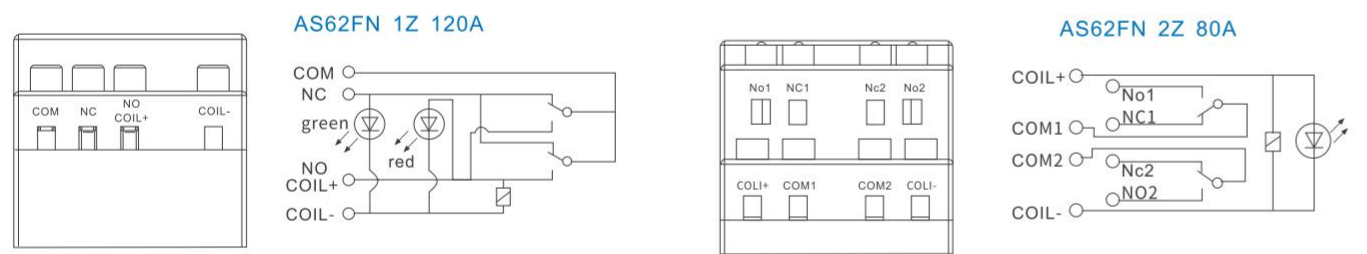
Contact Material _____
1: AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

Dimensions (mm)



Wiring Diagrams



Features

- Automatic switch between electric supply and generators
- Din-Rail installation, quick screw connection
- with LED indicator

Ordering Information

AS62FA-□□□□□□□□□□

Terminal Type

N: quick screw connection

Options

L: LED

Contact Form

2Z(Z:C H:A:D:B)

Voltage Type

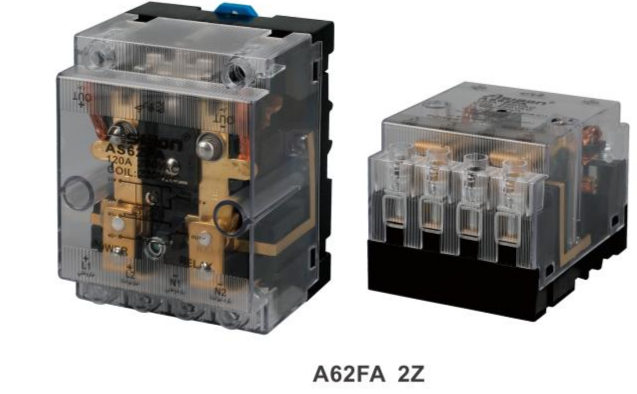
D:DC A:AC

Coil Voltage

see coil data

Contact Material

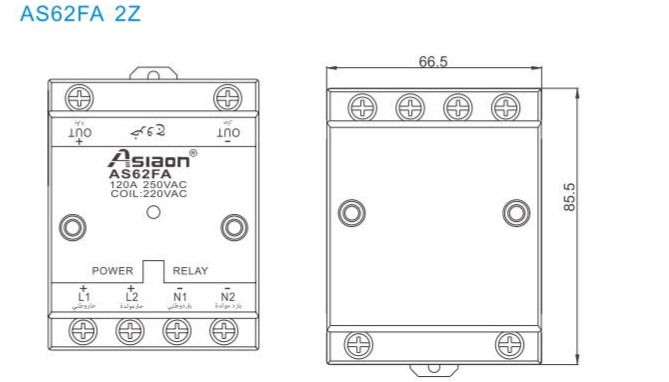
1: AgSnO₂



Specifications		
Contact	Contact Form	2Z
	Rated Load	120A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤40ms/25ms
	Terminal Type	Quick screw connection
	Coil	Operating PowerDC/AC 2.0W/4VA

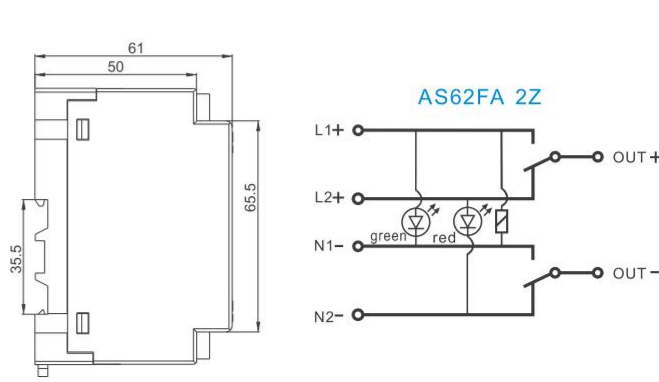
DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	18
12	9.6	1.2	70
24	19.2	2.4	290
48	38.4	4.8	1150
60	48.0	6.0	1800
110	88.0	11.0	6050

Dimensions (mm)



AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	9
12	9.6	3.6	36
24	19.2	7.2	144
48	38.4	14.4	576
110	88.0	36.0	3025
220/240	176.0	72.0	12000/14400

Wiring Diagrams



AS100F Quick Screw Connection Power Relay



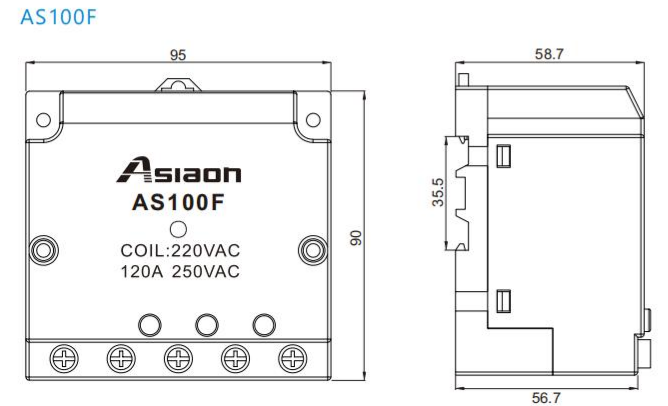
AS100F



Specifications		
Contact	Contact Form	
	Rated Load	120A 250VAC
	Electrical/Mechanical Life	≥100000次/10000000次
	Initial Contact Resistance	≤100mΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min
		Between contact and coil ≥2500VAC/1min
	Operate/Release Time	≤40ms/25ms
	Terminal Type	Quick screw connection
Coil	Operating PowerDC/AC	2.0W/4VA

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	18
12	9.6	1.2	70
24	19.2	2.4	290
48	38.4	4.8	1150
60	48.0	6.0	1800
110	88.0	11.0	6050

Dimensions (mm)



Features

- It is suitable for rapid switching between mains power and power generation
- It can be installed by rail or screw, which is simple and convenient
- The product is equipped with LED indicator lights
- Quick screw-type wiring, 1 minute for wiring and 1 minute for locking

Ordering Information

AS100F-□□□□□□

Terminal Type _____
N: quick screw connection

Options _____
N/A

Contact Form _____
1Z(Z:C H:A D:B)

Voltage Type _____
D:DC A:AC

Coil Voltage _____
see coil data

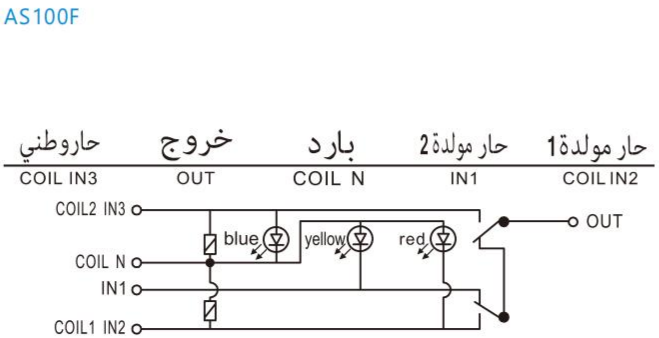
Contact Material _____
1: AgSnO₂



Din-Rail Mount

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	9
12	9.6	3.6	36
24	19.2	7.2	144
48	38.4	14.4	576
110	88.0	36.0	3025
220/240	176.0	72.0	12000/14400

Wiring Diagrams



AS12F Power Relay



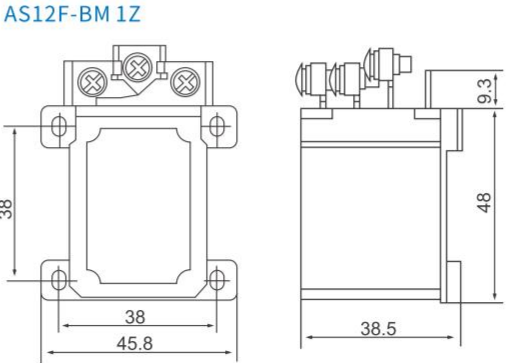
AS12F-BM 1Z (JQX50F)



Specifications		
Contact	Contact Form	1Z
	Rated Load	40A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/10000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min
		Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤25ms/25ms
	Terminal Type	screw connection
Coil	Operating PowerDC/AC	2. 5W/4VA

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	14.4
12	9.6	1.2	57.6
24	19.2	2.4	230
48	38.4	4.8	920
60	48.0	6.0	1440
110	88.0	11.0	4840

Dimensions (mm)



Features

- metal plate mount

Ordering Information

AS12F-□□□□□□

Terminal Type _____
BM:screw terminal & metal plate mount

Options _____
N/A

Contact Form _____
1Z(Z:C H:A D:B)

Voltage Type _____
D:DC A:AC

Coil Voltage _____
see coil data

Contact Material _____
1: AgSnO₂

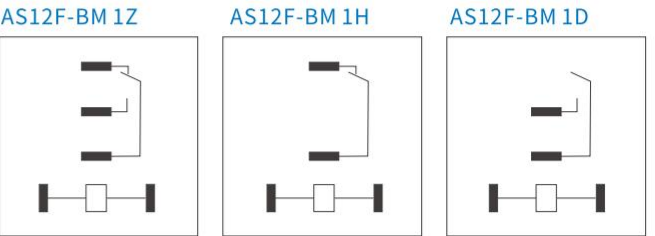
Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



Metal Plate Mount

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
12	9.6	3.6	12.6
24	19.2	7.2	50.4
48	38.4	14.4	200
110	88.0	36.0	1060
220/240	176.0	72.0	4230

Wiring Diagrams



AS12F Power Relay



AS12F-IM 2Z
(JQX-12F)



Specifications

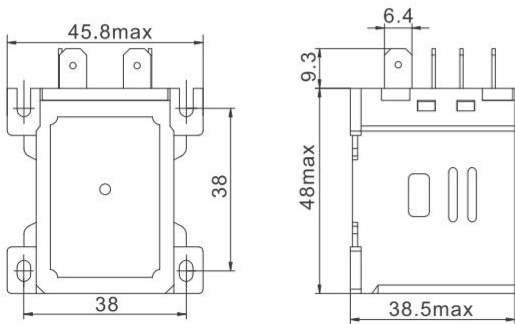
Contact	Contact Form	2Z
	Rated Load	30A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min
		Between poles≥1500VAC/1min
		Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤25ms/25ms
Coil	Terminal Type	Wire/ Quick connection
	Operating PowerDC/AC	2.5W/4VA

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropout Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	14.4
12	9.6	1.2	57.6
24	19.2	2.4	230
48	38.4	4.8	920
60	48.0	6.0	1440

Dimensions (mm)

AS12F-IM 2Z



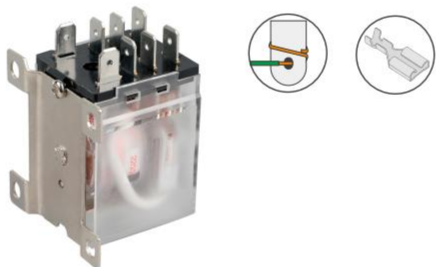
Features

- metal plate mount

Ordering Information

AS12F-□ □ □ □ □ □	
Terminal Type	IM: wire connection& metal plate mount
Options	N/A
Contact Form	2Z(Z:C H:A D:B)
Voltage Type	D:DC A:AC
Coil Voltage	see coil data
Contact Material	1: AgSnO ₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

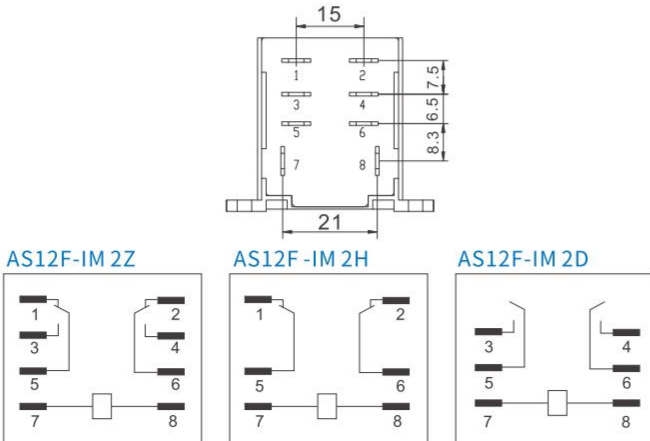


Metal Plate Mount

AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropout Voltage VAC	Coil Resistance Ω±10%
12	9.6	3.6	12.6
24	19.2	7.2	50.4
48	38.4	14.4	200
110	88.0	36.0	1060
220/240	176.0	72.0	4230

Wiring Diagrams



AS30F Power Relay



AS30F 2Z
(JQX-30F)

AS30FS 2Z
(JQX-30FS)



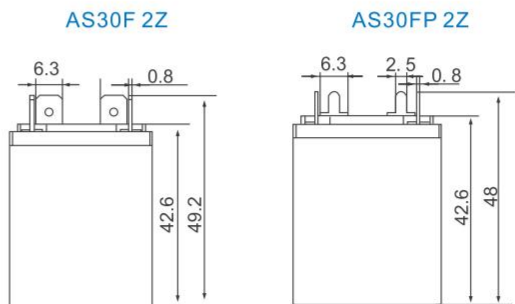
Specifications

Contact	Contact Form	2Z
	Rated Load (Resistive property)	30A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min
		Between poles≥1500VAC/1min
		Between contact and coil≥4000VAC/1min
	Operate/Release Time	≤25ms/25ms
Coil	Terminal Type	Wire/Quick connection
	Operating PowerDC/AC	2.5W/2.5VA

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	14
12	9.6	1.2	58
24	19.2	2.4	230
48	38.4	4.8	920
60	48.0	6.0	1440
110	88.0	11.0	4840

Dimensions (mm)



Features

- with ventilation holes

Ordering Information

AS30F□ □ □ □ □ □	
Mount Type	N/A: wire/quick connection S: flange P: PCB
Options	N/A
Contact Form	2Z(Z:A H:A D:B)
Voltage Type	D:DC A:AC
Coil Voltage	see coil data
Contact Material	1: AgSnO ₂ 2: AgNi

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

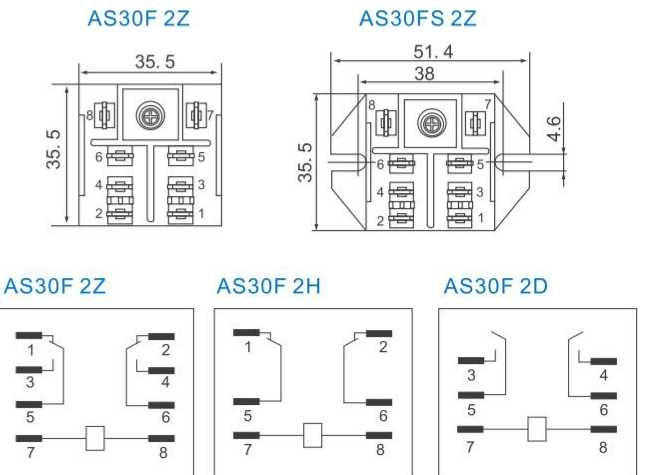


Wire/Quick connection

AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
12	9.6	3.6	20
24	19.2	7.2	80
48	38.4	14.4	320
110	88.0	36.0	1700
220/240	176.0	72.0	6770

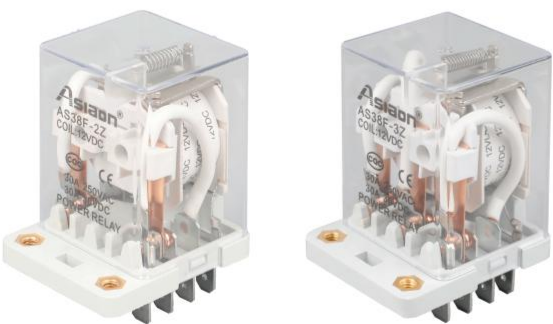
Wiring Diagrams



AS38F Power Relay



AS38FV Power Relay



AS38F 2Z
(JQX-38F 2Z)

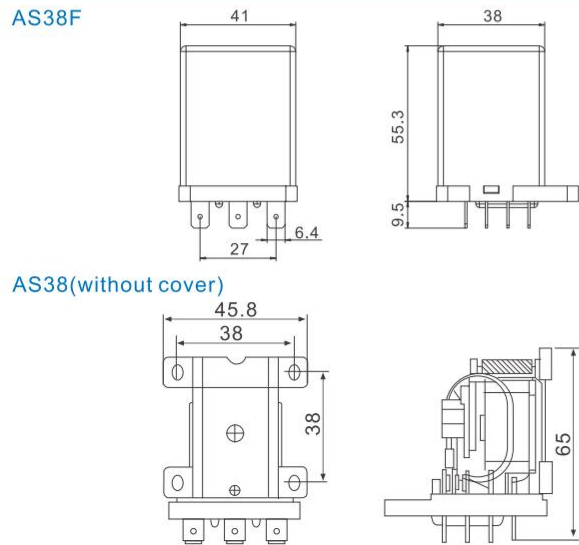
AS38F 3Z
(JQX-38F 3Z)



Specifications			
Contact	Contact Form	2Z	3Z
	Rated Load (Resistive property)	40A 250VAC/ 30VDC	30A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂	
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil≥2500VAC/1min	
	Operate/Release Time	≤25ms/25ms	
Coil	Terminal Type	Wire/Quick connection	
	Operating PowerDC/AC	2.5W/5VA	

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
12	9.6	1.2	57
24	19.2	2.4	230
48	38.4	4.8	920
60	48.0	6.0	1440

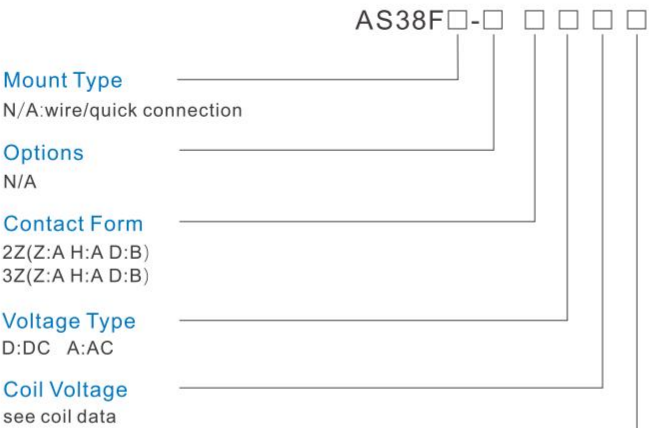
Dimensions (mm)



Features

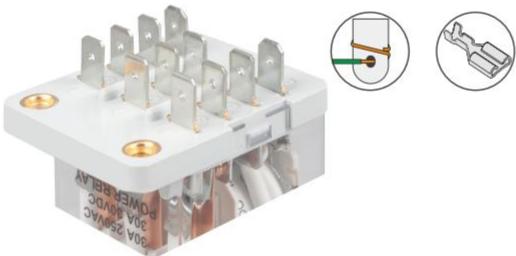
- ◆ with screw mount board
- ◆ two kinds of load: Level A 40A, Level B 30A

Ordering Information



Contact Material
1: AgSnO₂

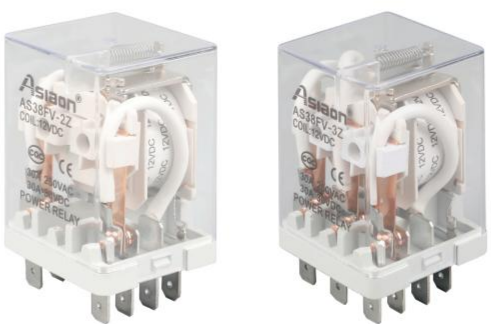
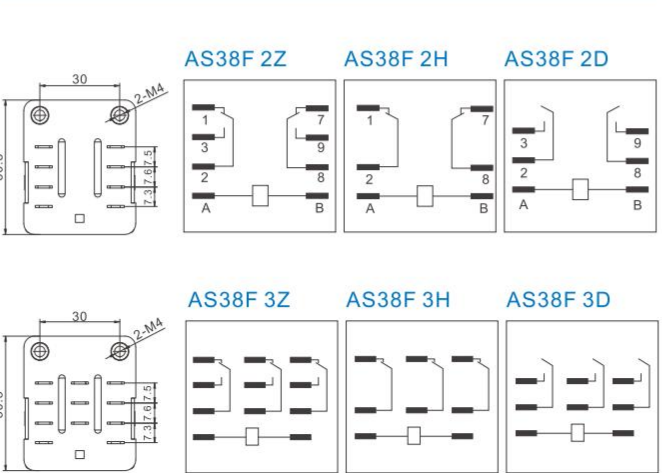
Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



Wire/Quick connection

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
12	9.6	3.6	10
24	19.2	7.2	40.3
110	88.0	36.0	847
220/240	176.0	72.0	3700

Wiring Diagrams



AS38FV 2Z
(JQX-38FV 2Z)

AS38FV 3Z
(JQX-38FV 3Z)

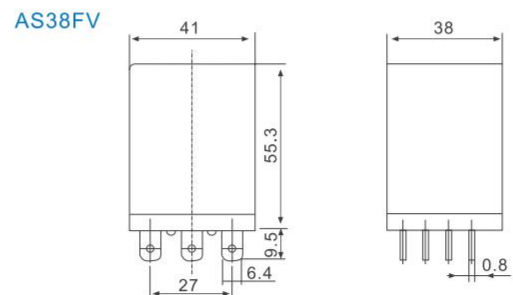


Specifications		
Contact	Contact Form	2Z 3Z
	Rated Load (Resistive property)	40A 250VAC/30VDC ; 30A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min
		Between poles≥1500VAC/1min
		Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤25ms/25ms
Coil	Terminal Type	plug in/wire/quick connectio
	Operating PowerDC/AC	2. 5W/5VA

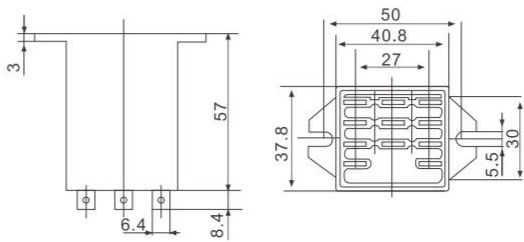
DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
12	9.6	1.2	57
24	19.2	2.4	230
48	38.4	4.8	920
60	48.0	6.0	1440

Dimensions (mm)



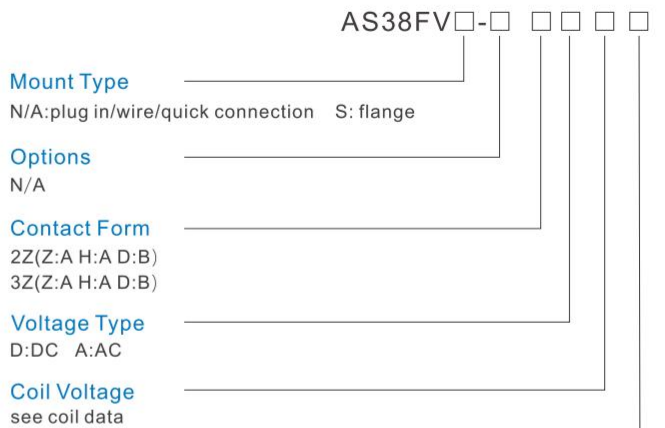
AS38FVS(flange mount)



Features

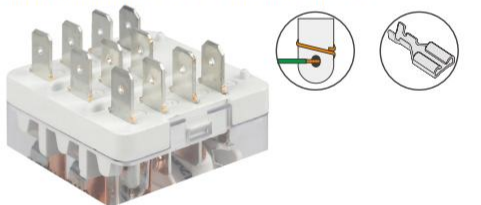
- ◆ flange mount cover available
- ◆ two kinds of rated load: Level A 40A,Level B 30A
- ◆ matched sockets PIF□A

Ordering Information



Contact Material
1: AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

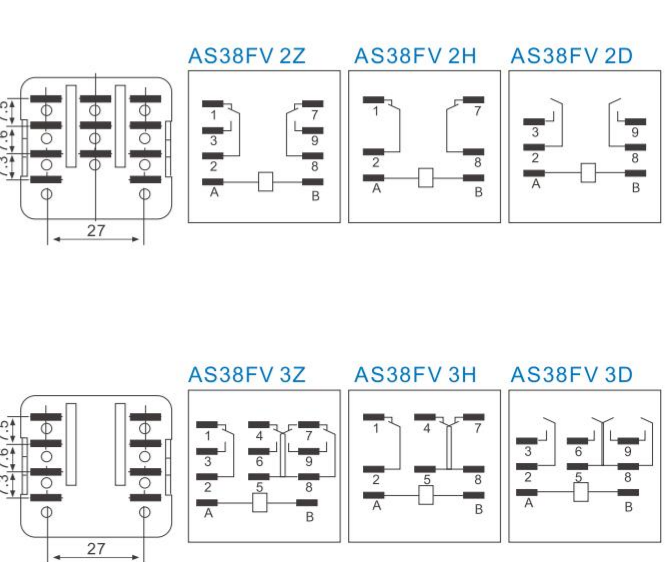


Wire/Quick connection

AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
12	9.6	3.6	10
24	19.2	7.2	40.3
110	88.0	36.0	847
220/240	176.0	72.0	3700

Wiring Diagrams



PIF Series Sockets



PIF□□A

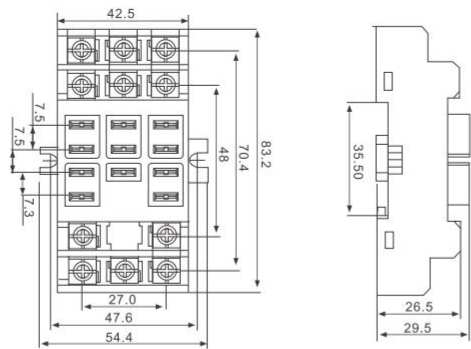


Appearance



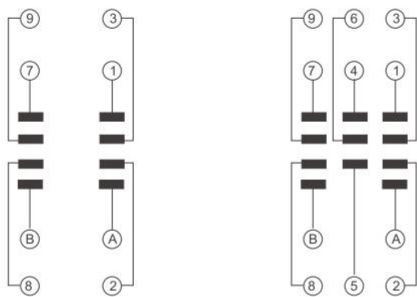
PIF□□A
(PT38F-□□)

Dimensions (mm)



PIF08A/11A

Connection Diagrams



PIF08A

PIF11A

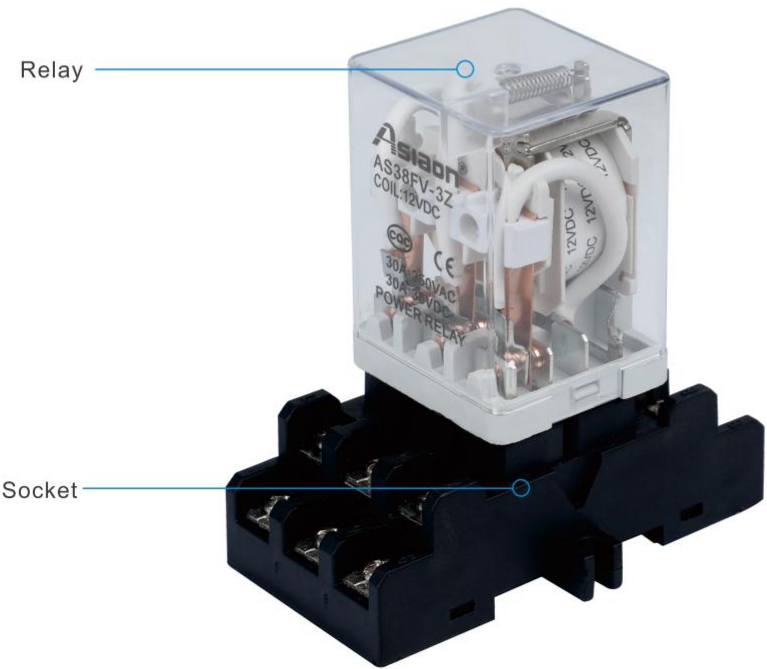
Specifications

Rated Load	Current/Voltage	A/VAC	40/300
Dielectric Strength	Coil&Contacts	V/S	2000
	Between Contacts	V/S	2000
Wire Size		AWG/mm2	20-14/0.5-2.5
Tightening Torque		Nm	1.0

Matched accessories

Socket	Clip	Module	DIN Rail
PEF08A	/	/	
PEF11A			

combination



AS52F Power Relay



Features

- ♦ two kinds of mount plate: metal or plastic
- ♦ two types of terminal: screw or wire

Ordering Information

Terminal Type

BM:screw terminal & metalplate mount
BP:screw terminal & plastic plate mount
IP:wire connection & plastic plate mount

Options

N/A

Contact Form

1Z(Z:A H:A D:B)
2Z(Z:A H:A D:B)

Voltage Type

D:DC A:AC

Coil Voltage

see coil data

Contact Material

1:AgSnO₂

AS52F-□□□□□□

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



AS52F-BM 1Z
(JQX-40F 1Z)

AS52F-BP 1Z
(JQX-52F 1Z)



AS52F-IP 2Z
(JQX-52F 2Z)



Specifications

Contact	Contact Form	1Z	2Z
	Rated Load (Resistive property)	40A 250VAC/30VDC	
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂	
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil≥2500VAC/1min	
	Operate/Release Time	≤25ms/25ms	
Coil	Terminal Type	Screw/Wire	
	Operating PowerDC/AC	2.0W/2.5VA	

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	18
12	9.6	1.2	72
24	19.2	2.4	288
48	38.4	4.8	1150
60	48.0	6.0	1800
110	88.0	11.0	6050

AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	14.4
12	9.6	3.6	57
24	19.2	7.2	230
48	38.4	14.4	921
110	88.0	36.0	5000
220/240	176.0	72.0	19400/23070



AS52F-BP1Z
Plastic Plate Mount

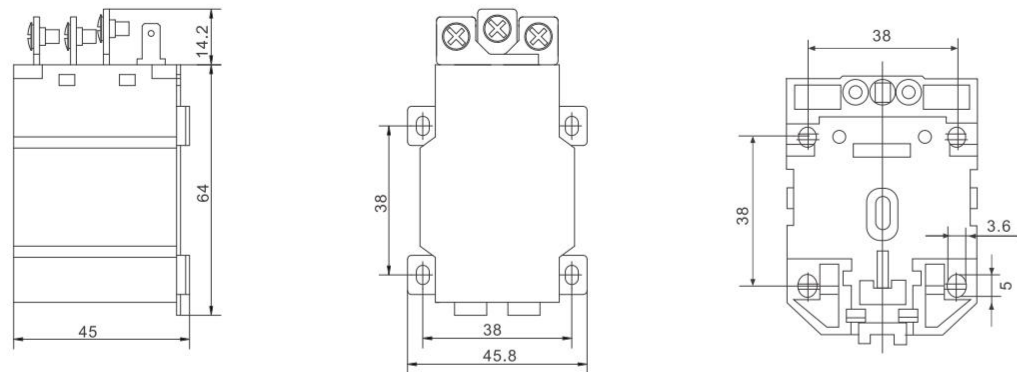
AS52F-BM1Z
Metal Plate Mount

AS52F Power Relay

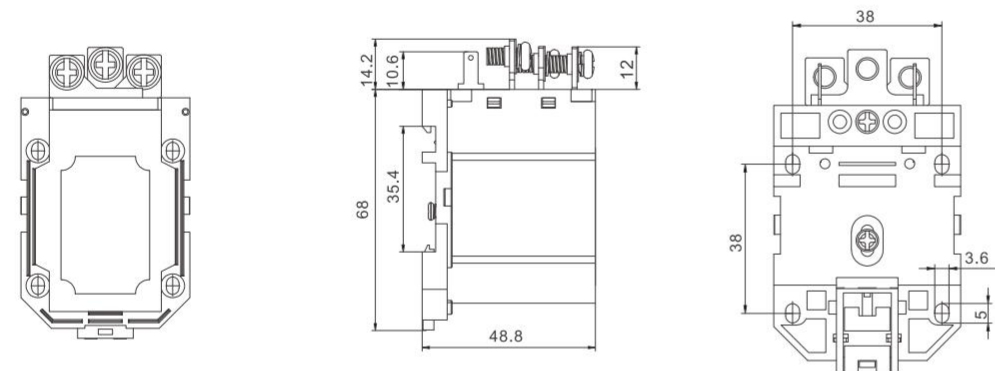


Dimensions (mm)

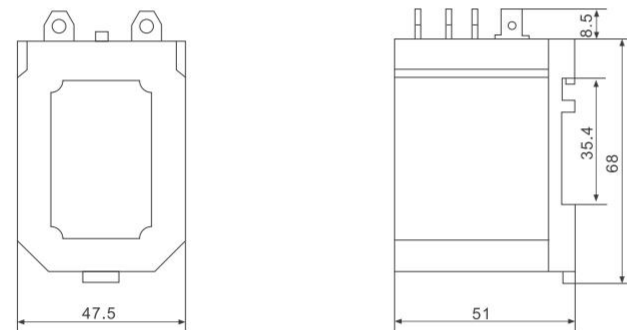
AS52F-BM 1Z



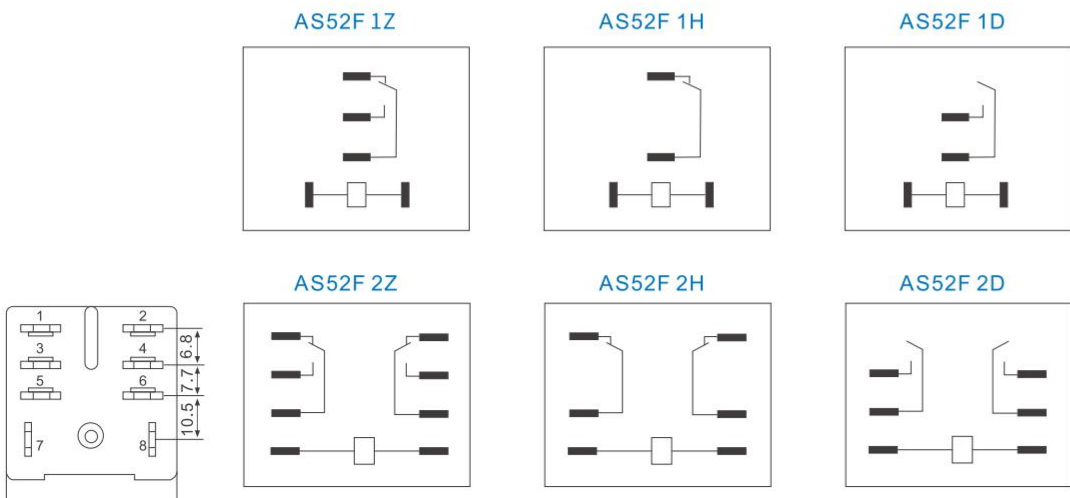
AS52F-BP 1Z



AS52F-IP 2Z



Wiring Diagrams



AS53F Power Relay



Features

- ◆ flange mount cover available
- ◆ with press test button
- ◆ matched sockets PEF□A

Ordering Information

Mount Type

N/A: plug in S: flange

Options

L:LED indicator T:press test button

Contact Form

2Z(Z:A H:A D:B)
3Z(Z:A H:A D:B)

Voltage Type

D:DC A:AC

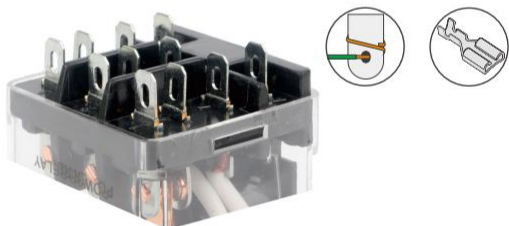
Coil Voltage

see coil data

Contact Material

1:AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



Plug/Wire/Quick Connection



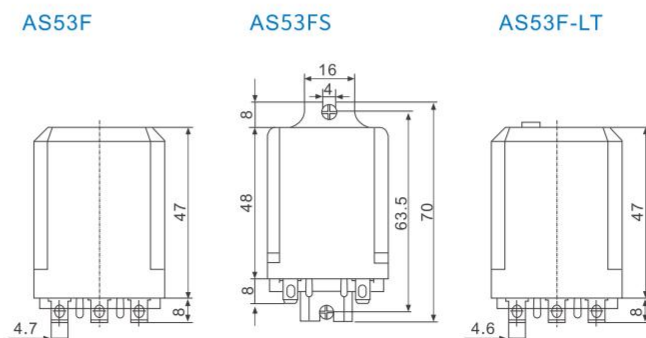
Specifications

Contact	Contact Form	2Z	3Z
	Rated Load (Resistive property)	10A 277VAC/30VDC 16A 277VAC/30VDC 25A 277VAC/30VDC	
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂	
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil≥2500VAC/1min	
	Operate/Release Time	≤25ms/25ms	
Coil	Terminal Type	Plug/Wire/Quick Connection	
	Operating PowerDC/AC	10A/16A:1.2W/2.5VA 25A:1.5W/2.5VA	

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance (Ω±10%)	
			1.2W	1.5W
12	9.6	1.2	120	96
24	19.2	2.4	480	380
48	38.4	4.8	1920	1540
60	48.0	6.0	3000	2400
120	82.3	11.6	12000	9600

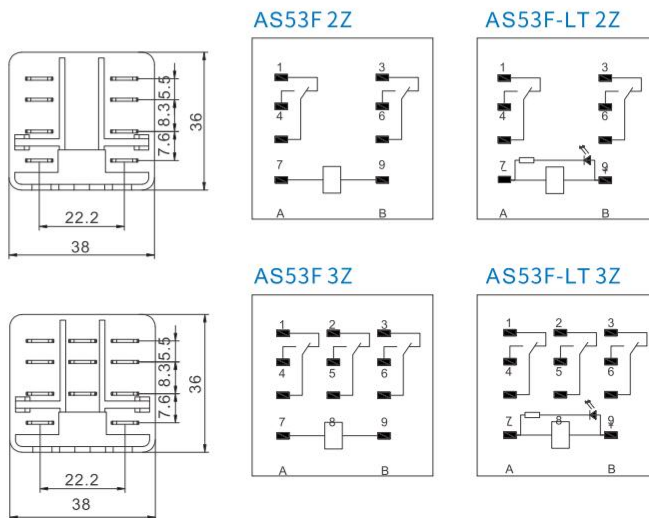
Dimensions (mm)



AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance (Ω±10%)
12	9.6	3.6	20
24	19.2	7.2	81
48	38.4	14.4	320
120	88.0	36.0	2000
220	176.0	72.0	6700

Wiring Diagrams



PEF Series Sockets



PEF□□A

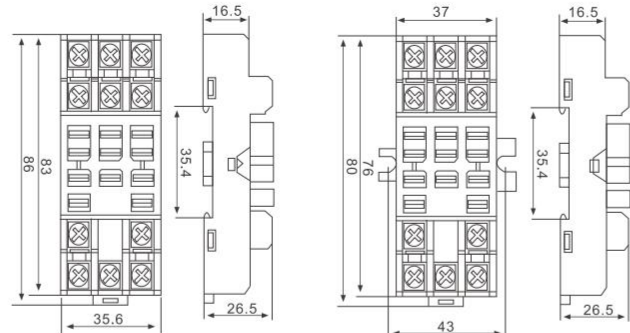


Appearance



PEF□□A
(PT53F-□□A)

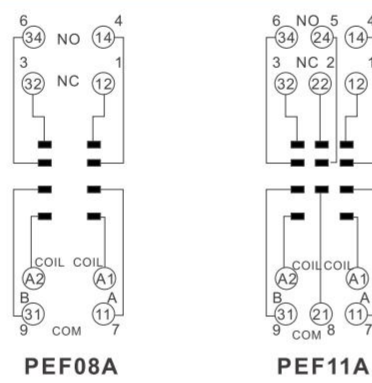
Dimensions (mm)



PEF08A/11A-16A

PEF11A-25A

Connection Diagrams



PEF08A

PEF11A

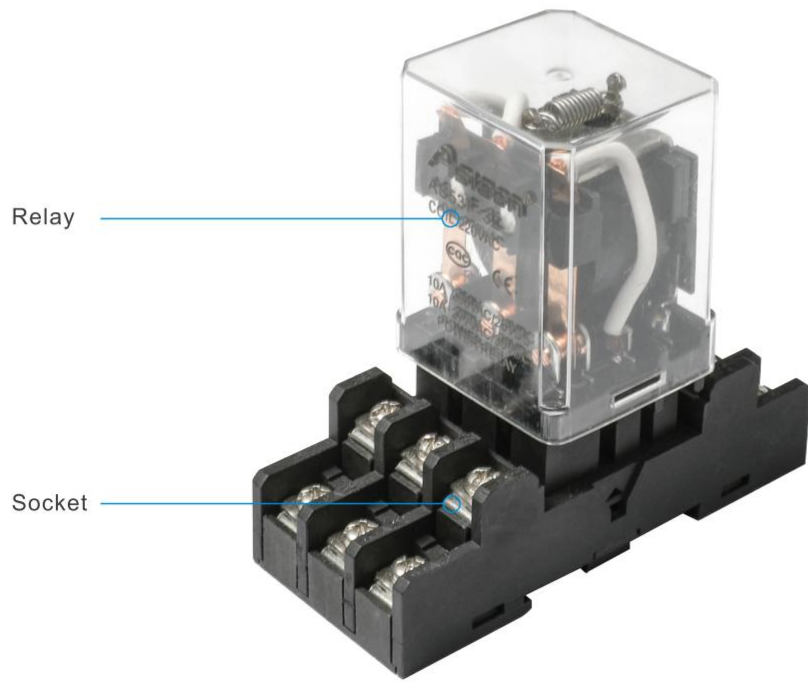
Specifications

Rated Load	Current/Voltage	A/VAC	16/25/300
Dielectric Strength	Coil/Contact spacing	V/S	2000
	Contact intervals	V/S	2000
Wire Size	AWG/mm2	20-14/0.5-2.5	
Tightening Torque	Nm	1.0	

Matched accessories

Socket	Clip	Module	DIN Rail
PEF08A	K-53	/	
PEF11A			

combination



AS59F Power Relay



Features

- two kinds of mount options: flange or metal plate
- 2Z with connector becomes 1Z, rated load reach 100A max

Ordering Information

AS59F-□□□□□□□□

Mount Type
BS:screw terminal& flange mount
BM:screw terminal& metal plate mount

Options
N/A

Contact Form
1Z(Z:A H:A D:B)
2Z(Z:A H:A D:B)

Voltage Type
D:DC A:AC

Coil Voltage
see coil data

Contact Material
1: AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



AS59F-BS 1Z
(JQX-59F 1Z)



AS59F-BS 1Z 100A
(JQX-120F 1Z)



AS59F-BM 2Z
(JQX-59F 2Z)



AS59F-BS 2Z
(JQX-59FS 2Z 60A)



AS59F-BM 1Z 100A
(JQX-120F 1Z)



AS59F-BM 2Z
Metal Plate Mount



Connector



Specifications

Contact	Contact Form	1Z	2Z
	Rated Load (Resistive property)	80A.100A 250VAC/30VDC	80A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂	
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil≥2500VAC/1min	
	Operate/Release Time	≤25ms/25ms	
Coil	Terminal Type	Screw	
	Operating PowerDC/AC	3.6W/4.4VA	

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	10
12	9.6	1.2	40
24	19.2	2.4	160
48	38.4	4.8	640
110	88.0	11.0	3360

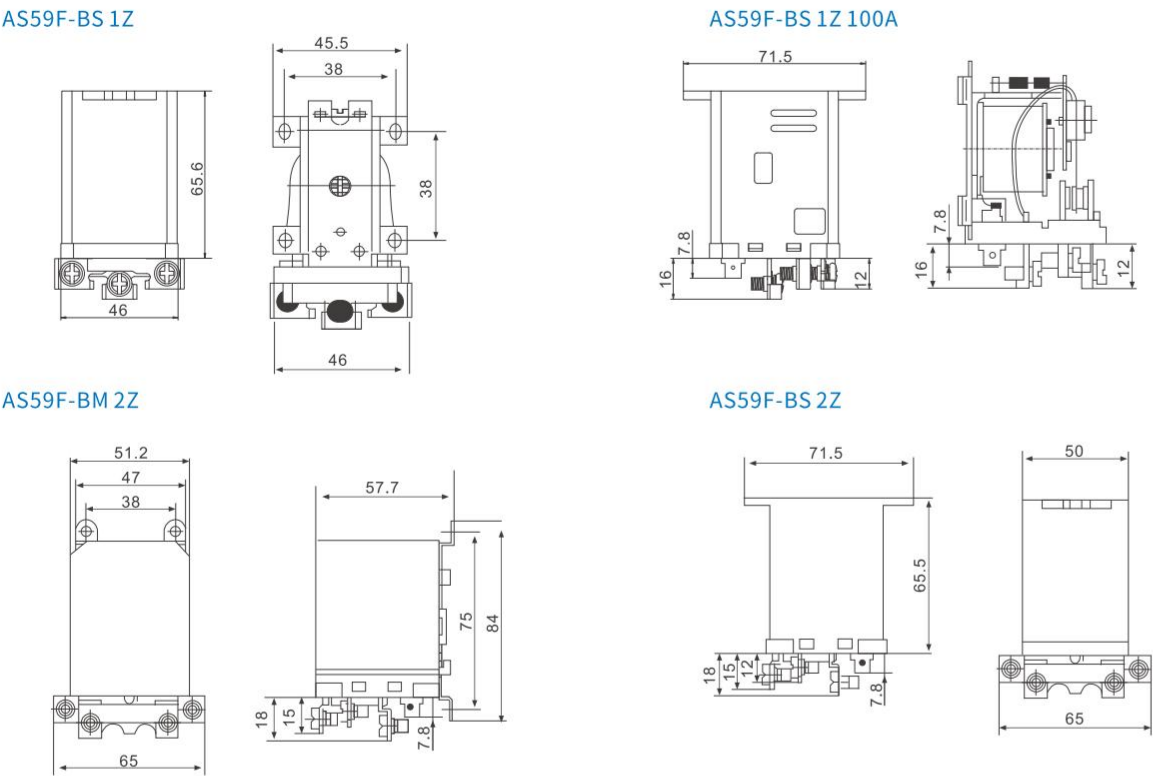
AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	8.2
12	9.6	3.6	32.7
24	19.2	7.2	130
48	38.4	14.4	523.6
220/240	176.0	72.0	11000/13090

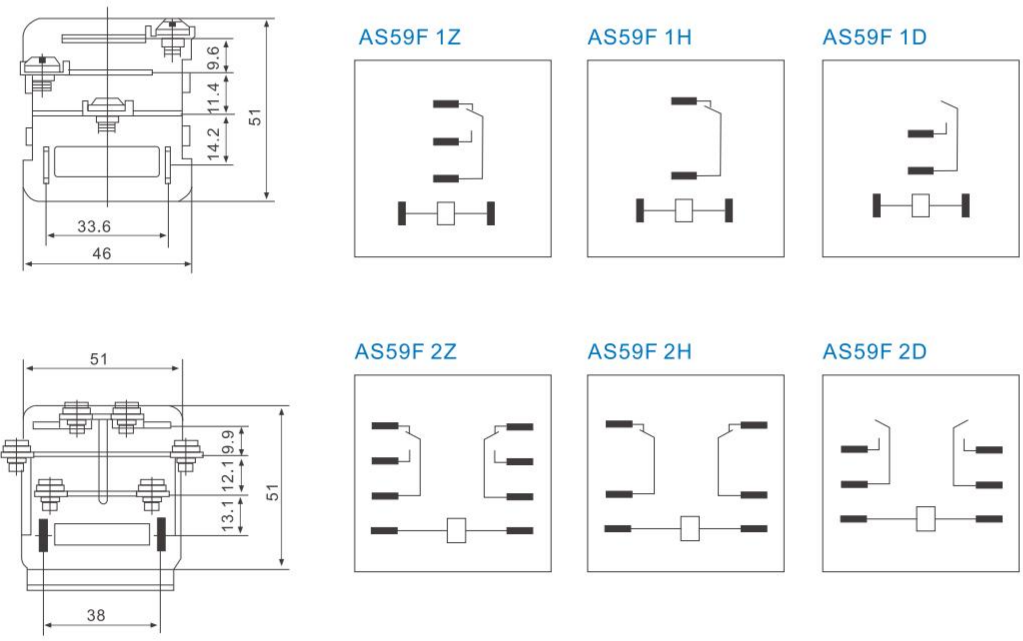
AS59F Power Relay



Dimensions (mm)



Wiring Diagrams



AS60F Power Relay



Features

- two kinds of mount options: metal or plastic

Ordering Information

AS60F-

Terminal Type

Bp : screw teminal& plastic plate mount
Bm : screw teminal& metal plate mount

Options

N/A

Contact Form

1Z(Z:A H:A D:B)
2Z(Z:A H:A D:B)

Voltage Type

D:DC A:AC

Coil Voltage

see coil data

Contact Material

1: AgSnO₂



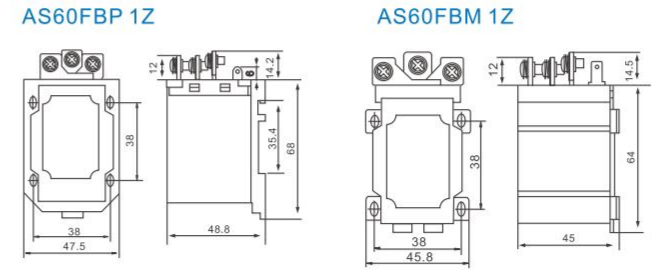
Specifications

Contact	Contact Form	1Z、1H、1D
	Rated Load (Resistive property)	60A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤25ms/25ms
	Terminal Type	Screw
	Coil	Operating PowerDC/AC
Coil	Operating PowerDC/AC	2.0W/2.5VA

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	18
12	9.6	1.2	72
24	19.2	2.4	288
48	38.4	4.8	1150
60	48	6	1800
110	88.0	11.0	6050

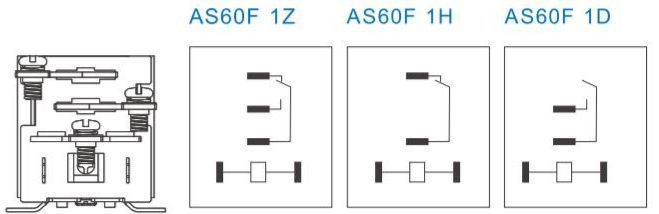
Dimensions (mm)



AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	14.4
12	9.6	3.6	57
24	19.2	7.2	230
48	38.4	14.4	921
110	88	36	5000
220/240	176.0	72.0	19400/23070

Wiring Diagrams



Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

AS62F Power Relay



AS62F 1Z
(JQX-62F 1Z 80A)

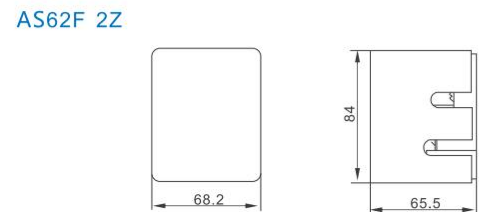
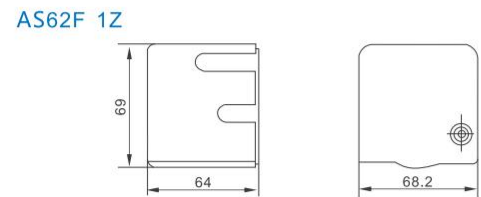
AS62F 2Z
(JQX-62F 2Z 80A)



Specifications			
Contact	Contact Form	1Z	2Z
	Rated Load (Resistive property)	80A.120A 250VAC/30VDC	
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂	
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil≥2500VAC/1min	
	Operate/Release Time	≤40ms/25ms	
Coil	Terminal Type	Screw	
	Operating PowerDC/AC	80A:DC2.0W/AC4VA 120A:DC2.0W/AC4VA	

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	18
12	9.6	1.2	70
24	19.2	2.4	290
48	38.4	4.8	1150
60	48	6	1800
110	88	11	6050

Dimensions (mm)



Features

- ◆ 1Z with metal wire, rated load reach 120A max
- ◆ without cover version AS 62 available, better radiator

Ordering Information

AS62F-☐☐☐☐☐☐

Mount Type
B:Screw

Options
N/A

Contact Form
1Z(Z:A H:A D:B)
2Z(Z:A H:A D:B)

Voltage Type
D:DC A:AC

Coil Voltage
see coil data

Contact Material
1:AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

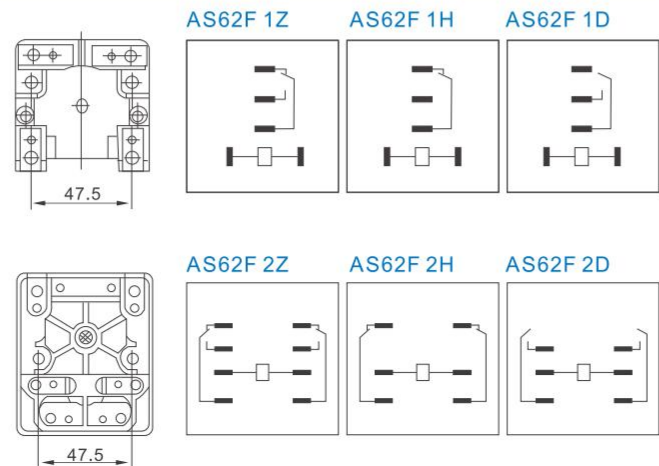


AS62F 1Z 120A
(JQX-62F 1Z 120A)

Screw Mount

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	9
12	9.6	3.6	36
24	19.2	7.2	144
48	38.4	14.4	576
110	88	36	3025
220/240	176	72	12000/14400

Wiring Diagrams



AS62FH Power Relay



AS62FH 1Z
(JQX-62FH 1Z 120A)

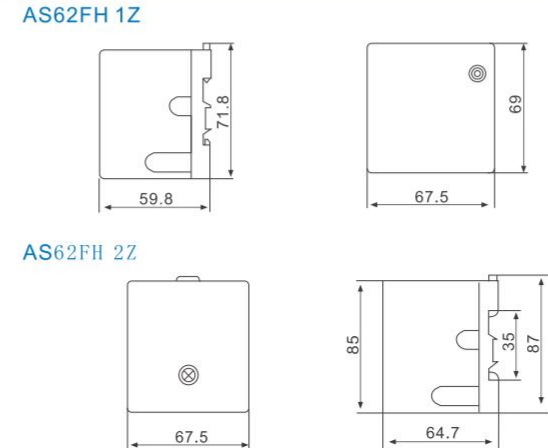
AS62FH 2Z
(JQX-62FH 2Z 80A)



Specifications		
Contact	Contact Form	1Z 2Z
	Rated Load (Resistive property)	80A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min
		Between poles≥1500VAC/1min
		Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤40ms/25ms
Coil	Terminal Type	Screw
	Operating PowerDC/AC	2.0W/AC4VA

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	18
12	9.6	1.2	72
24	19.2	2.4	288
48	38.4	4.8	1150
60	48	6	1800
110	88.0	11.0	6050

Dimensions (mm)



Features

- ◆ 1Z with metal wire, rated load reach 120A max
- ◆ without cover version AS 62H available, better radiator

Ordering Information

AS62F-☐☐☐☐☐☐

Mount Type
H : Din Rail

Options
N/A

Contact Form
1Z(Z:A H:A D:B)
2Z(Z:A H:A D:B)

Voltage Type
D:DC A:AC

Coil Voltage
see coil data

Contact Material
1:AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

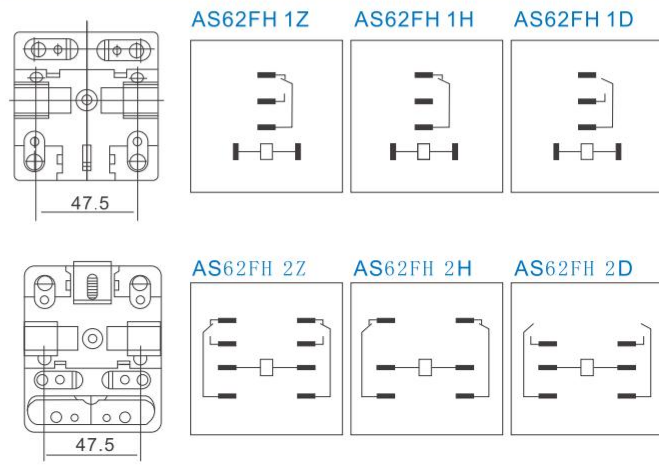


AS62FH 1Z 120A
(JQX-62F 1Z 120A)

Din Rail Mount

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	9
12	9.6	3.6	36
24	19.2	7.2	144
48	38.4	14.4	576
110	88	36	3025
220/240	176.0	72.0	12000/14400

Wiring Diagrams





AS82F
(JQX-82F 1Z)

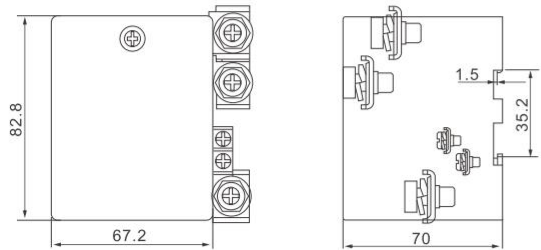


Specifications		
Contact	Contact Form	1Z
	Rated Load (Resistive property)	150A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤40ms/25ms
	Terminal Type	Screw
Coil	Operating PowerDC/AC	2.0W/AC4VA

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
6	4.8	0.6	18
12	9.6	1.2	70
24	19.2	2.4	290
48	38.4	4.8	1152
60	48	6	1800
110	88.0	11.0	6000

Dimensions (mm)

AS82F 1Z



Features

- ◆ 1Z rated load reach 150A max
- ◆ patented product

Ordering Information

AS82F-□□□□□□

Mount Type
B:Screw

Options
N/A

Contact Form
1Z(Z:A H:A D:B)

Voltage Type
D:DC A:AC

Coil Voltage
see coil data

Contact Material
1: AgSnO₂

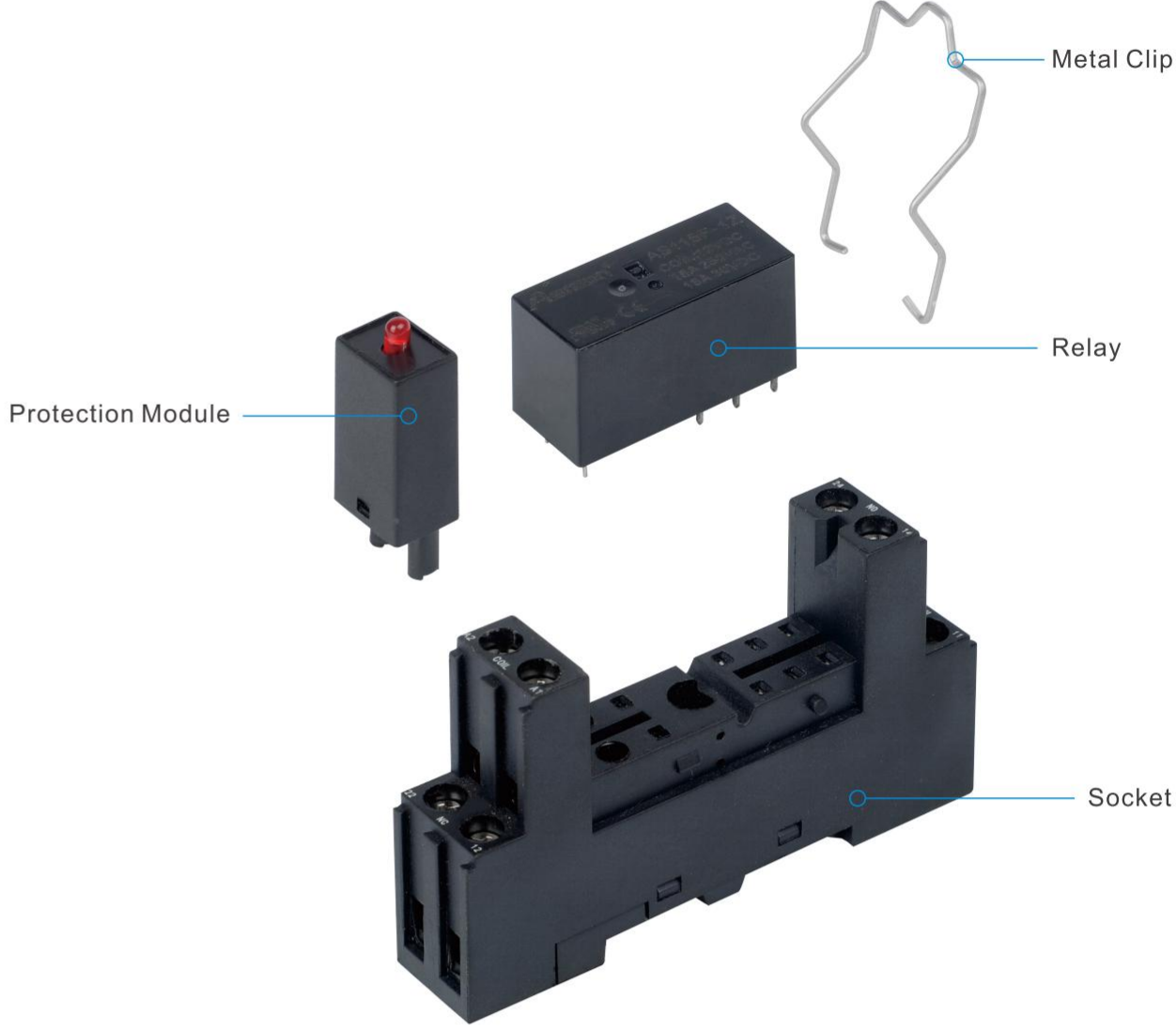
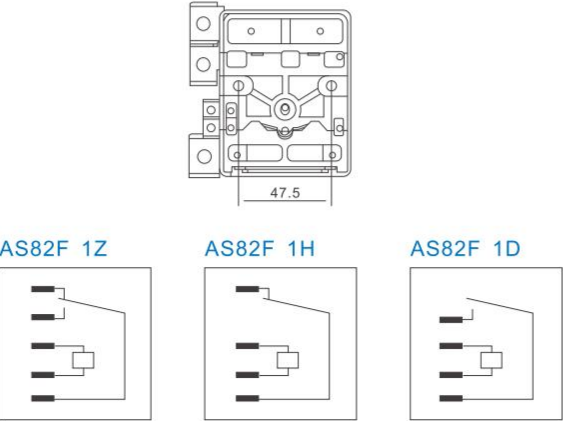
Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



Screw Mount

AC Coil Data			
Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	9
12	9.6	3.6	36
24	19.2	7.2	144
48	38.4	14.4	576
110	88	36	3025
220/240	176.0	72.0	12000/14400

Wiring Diagrams



Sockets Selection Table

D series			
	PDF□□-E2	PDF□□-E3	PDP□□

Note: Please refer to the last page for other compatible accessories.

AS115F PCB Relay



AS115F
(JQX-115F)



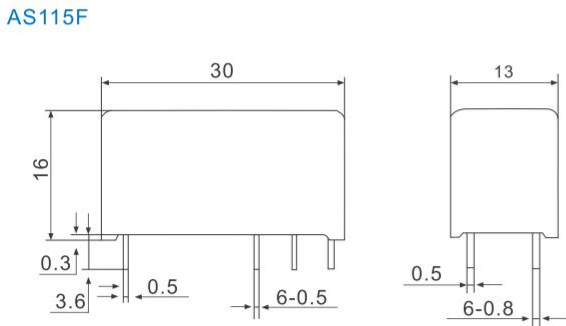
Specifications

Contact	Contact Form	1Z	2Z
	Rated Load (Resistive property)	12A 250VAC/30VDC 16A 250VAC/30VDC	8A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂	
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil≥5000VAC/1min	
		Operate/Release Time	≤15ms/5ms
	Terminal Type	PCB	
Coil	Operating PowerDC/AC	0.4W	

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.75	0.5	62.2
6	4.5	0.6	90
12	9.0	1.2	360
24	18.0	2.4	1440
48	36.4	4.8	5760
60	48.0	6.0	9000
110	82.5	11.0	30250

Dimensions (mm)



Features

- ♦ rated load 16A
- ♦ low height 16mm
- ♦ creepage distance: 10mm
- ♦ 5kV dielectric strength (between coil and contacts)

Ordering Information

AS115F-□□□□□□

Mount Type
P:PCB

Options
N/A

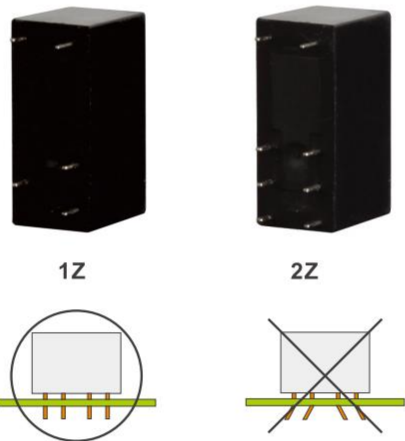
Contact Form
1Z(Z:A H:A D:B)
2Z(Z:A H:A D:B)

Voltage Type
D:DC A:AC

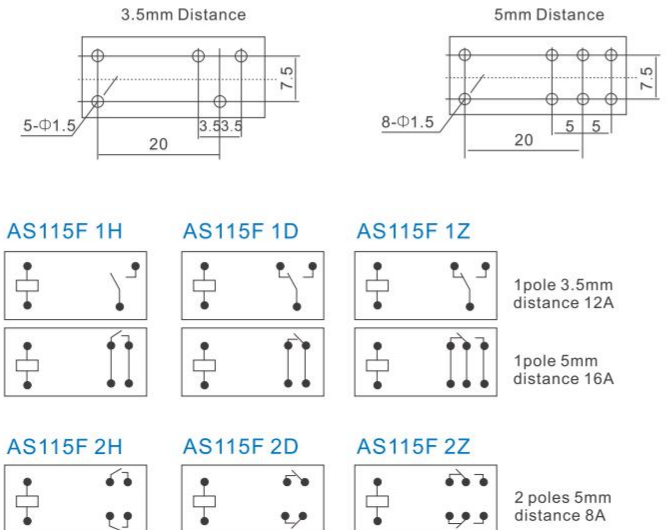
Coil Voltage
see coil data

Contact Material
1: AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



Wiring Diagrams



AS14FC PCB Relay



AS14FC
(JQX-14FC)



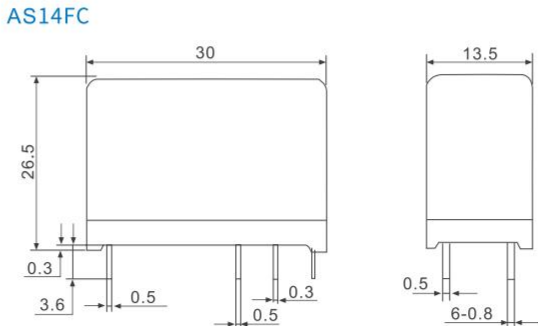
Specifications

Contact	Contact Form	1Z	2Z
	Rated Load (Resistive property)	10A 250VAC/30VDC 16A 250VAC/30VDC	5A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times	
	Initial Contact Resistance	≤100MΩ (1A 6VDC)	
	Contact Material	AgSnO ₂	
Charact eristics	Insulation Resistance	≥1000MΩ (500VDC)	
	Dielectric Strength	Between open contacts≥1000VAC/1min	
		Between poles≥1500VAC/1min	
		Between contact and coil≥4000VAC/1min	
	Operate/Release Time	≤15ms/5ms	
	Terminal Type	PCB	
Coil	Operating PowerDC/AC	0.55W/0.8VA	

AC Coil Data

Rated Voltage VAC	Pickup Voltage VAC	Dropoff Voltage VAC	Coil Resistance Ω±10%
6	4.8	1.8	16
12	9.6	3.6	63
24	19.2	4.2	240
48	38.4	14.4	1085
110	88	33	5500
220/240	184	69	24000

Dimensions (mm)



Features

- ♦ low coil operating power 0.55W/0.8VA
- ♦ creepage distance: 8mm
- ♦ 4kV dielectric strength (between coil and contacts)

Ordering Information

AS14FC-□□□□□□

Mount Type
P: PCB

Options
N/A

Contact Form
1Z(Z:A H:A D:B)
2Z(Z:A H:A D:B)

Voltage Type
D:DC A:AC

Coil Voltage
see coil data

Contact Material
1: AgSnO₂

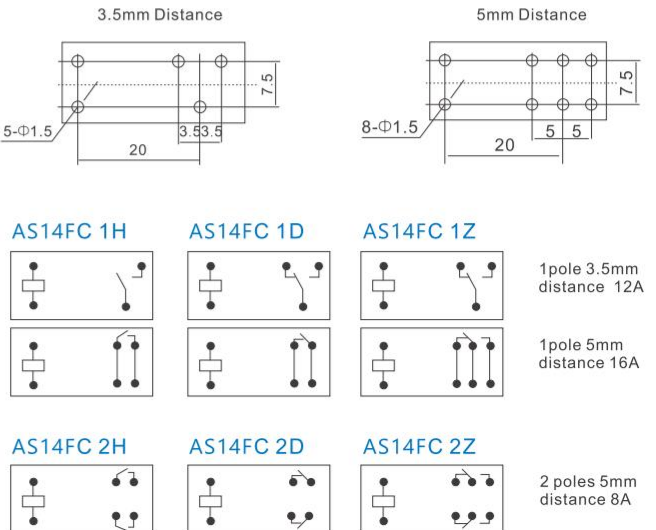
Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
3	2.25	0.3	16
5	3.75	0.5	45
6	4.5	0.6	65
9	6.75	0.9	150
12	9.0	1.2	260
18	13.5	1.8	600
24	18.0	2.4	1080
48	36.0	4.8	4260
60	45.0	7.0	6500

Wiring Diagrams



PDF Series Sockets



PDF□□-E2

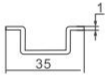


Appearance

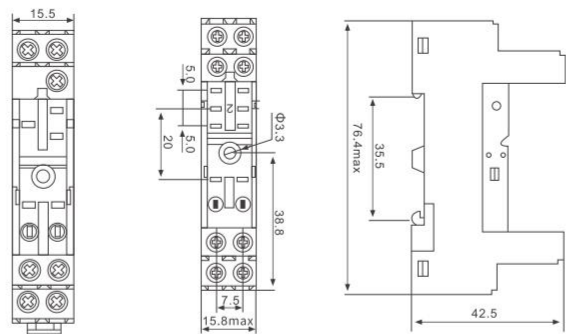


PDF□□-E2
(RT625-B)

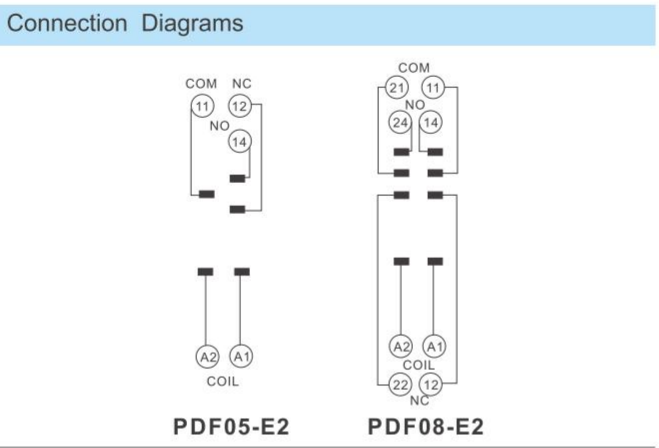
Specifications			
Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil&Contacts	V/S	4000
	Between Contacts	V/S	2500
Wire Size	AWG/mm2		20-14/0.5-2.5
Tightening Torque	Nm		0.8
Terminal Ingress Protection			IP20

Matched accessories			
Socket	Clip	Module	DIN Rail
PDF□□-E2	B-25C K-25C(AS14FC)	AMB Series	
	B-15F K-15F(AS115FC)		

Dimensions (mm)



PDF05-E2 PDF08-E2



PDF□□-E3

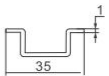


Appearance

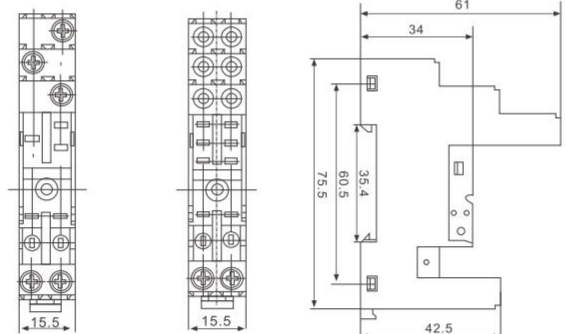


PDF□□-E3
(RT626-B)

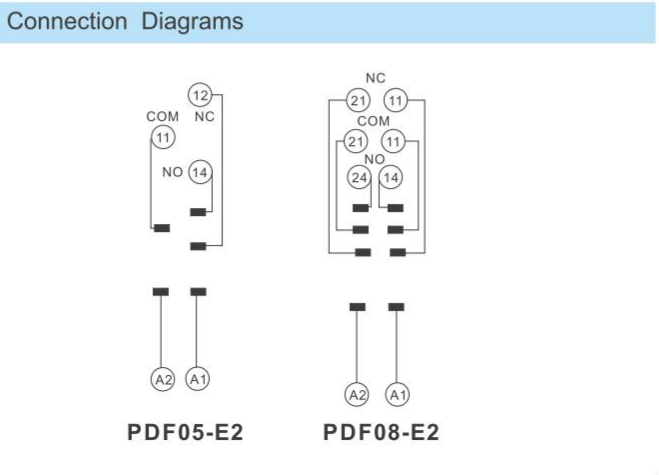
Specifications			
Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil&Contacts	V/S	4000
	Between Contacts	V/S	2500
Wire Size	AWG/mm2		20-14/0.5-2.5
Tightening Torque	Nm		0.8
Terminal Ingress Protection			IP20

Matched accessories			
Socket	Clip	Module	DIN Rail
PDF□□-E3	B-25C K-25C(AS14FC)	AMB Series	
	B-15F K-15F(AS115FC)		

Dimensions (mm)



PDF05-E3 PDF08-E3



PDP Series Sockets



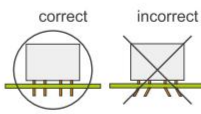
PDP□□



Appearance



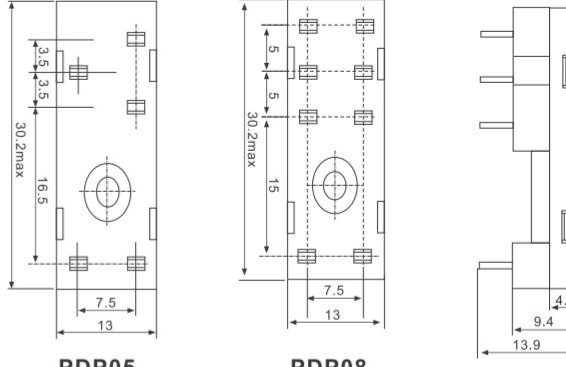
PDP□□
(PSP-□□A)



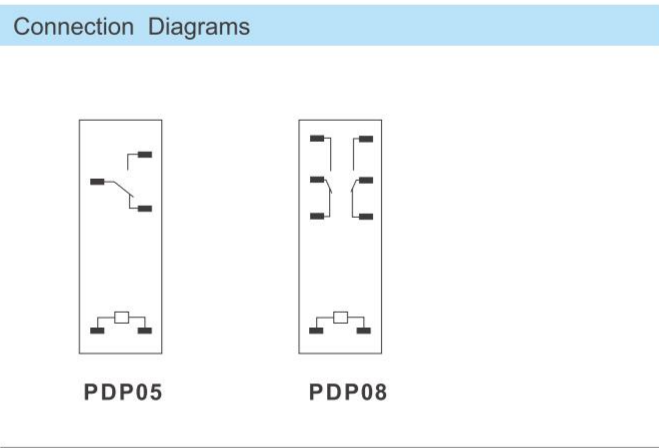
Specifications			
Rated Load	Current/Voltage	A/VAC	10/300
Dielectric Strength	Coil&Contacts	V/S	4000
	Between contacts	V/S	2500
Wire Size	AWG/mm2		
Tightening Torque	Nm		

Matched accessories				
Socket	Relay Type	Clip	Module	Din Rail
PDP□□	AS14FC 2Z 5A	K-25P	/	/
	AS115F 2Z	K-15P		
	AS115F 1Z 16A			

Dimensions (mm)



PDP05 PDP08



AS3F PCB Relay



AS3F
(JQC-3F/T73)



Specifications

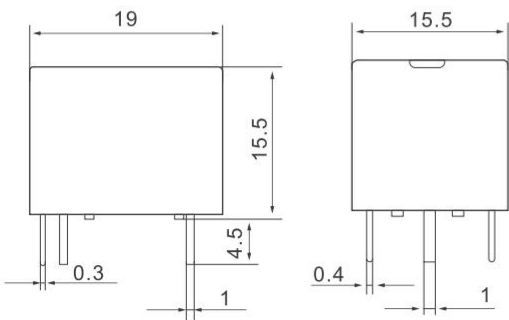
Contact	Contact Form	1Z
	Rated Load (Resistive property)	7A 250VAC/30VDC 10A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂ AgNi
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min
		Between poles≥1500VAC/1min
		Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤10ms/5ms
Coil	Terminal Type	PCB
	Operating PowerDC/AC	0.36W

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
3	2.25	0.3	25
5	3.75	0.5	70
6	4.5	0.6	100
9	6.8	0.9	225
12	9.0	1.2	400
18	13.5	1.8	900
24	19.0	2.4	1600
48	36.0	4.8	4500

Dimensions (mm)

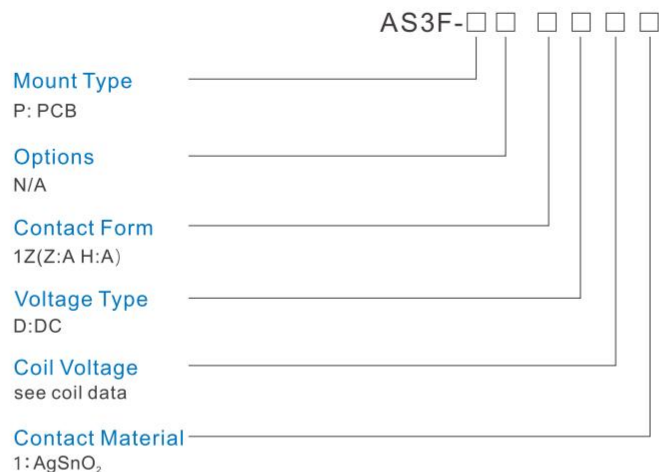
AS3F



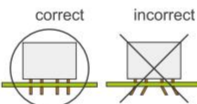
Features

- ♦ small size
- ♦ rated load 7A, 10A
- ♦ insulation level: Class F

Ordering Information

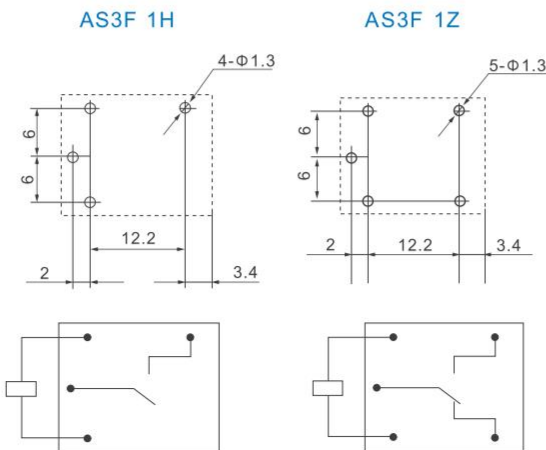


Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



1Z

Wiring Diagrams



AS15F PCB Relay



AS15F
(JQX-15F/T90)



Specifications

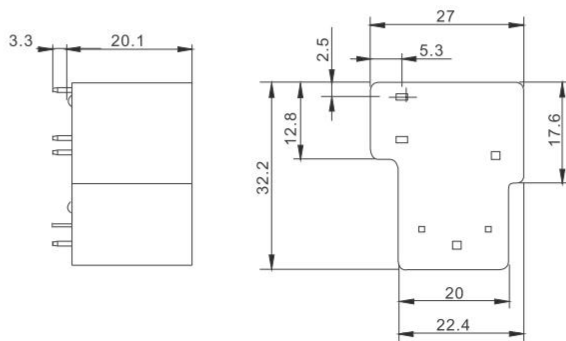
Contact	Contact Form	1Z
	Rated Load (Resistive property)	NO:30A 250VAC/30VDC NC:20A 250VAC/30VDC NO:40A 250VAC/30VDC NC:30A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1500VAC/1min
		Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤15ms/10ms
	Terminal Type	PCB
Coil	Operating PowerDC	0.9W

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.75	0.5	30
6	4.5	0.6	45
9	6.75	0.9	100
12	9.0	1.2	160
15	11.25	1.5	260
18	13.5	1.8	385
24	18.0	2.4	660
48	36.0	4.8	2560
70	52.5	7.0	5500
110	82.5	11	13450

Dimensions (mm)

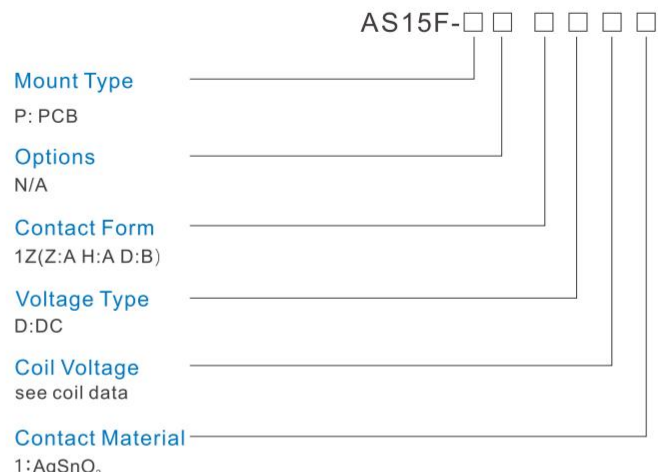
AS15F



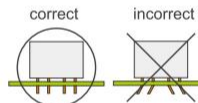
Features

- ♦ Rated Load40A
- ♦ 4kV dielectric strength (between coil and contacts)
- ♦ insulation level: Class F

Ordering Information



Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

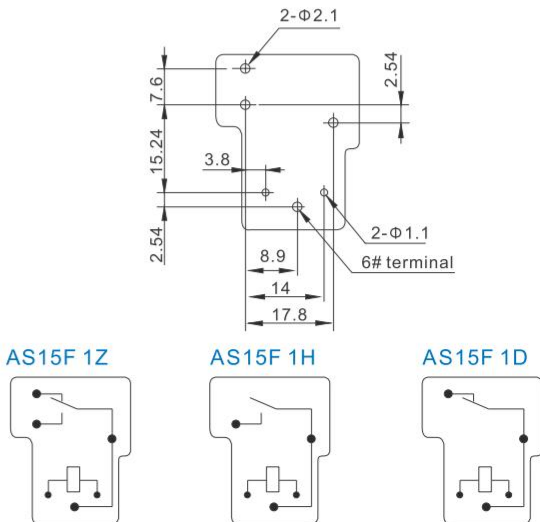


1H



1Z

Wiring Diagrams



AS16F PCB Relay



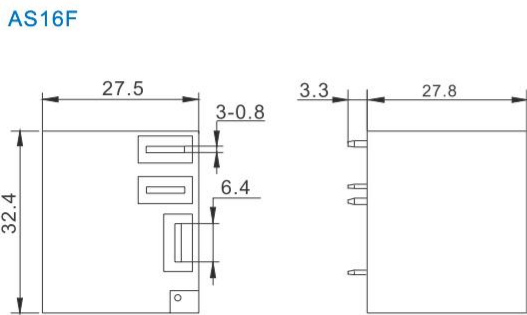
AS16F
(JQX-16F/T91)



Specifications		
Contact	Contact Form	1Z
	Rated Load (Resistive property)	NO:30A 250VAC/30VDC NC:20A 250VAC/30VDC NO:40A 250VAC/30VDC NC:30A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
	Insulation Resistance	≥1000MΩ (500VDC)
Characteristics	Dielectric Strength	Between open contacts≥1500VAC/1min Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤15ms/10ms
	Terminal Type	PCB& Quick Connection
	Coil Operating PowerDC	0.9W

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.75	0.5	30
6	4.5	0.6	45
9	6.75	0.9	100
12	9.0	1.2	160
15	11.25	1.5	260
18	13.5	1.8	385
24	18.0	2.4	660
48	36.0	4.8	2560
70	52.5	7.0	5500
110	82.5	11	13450

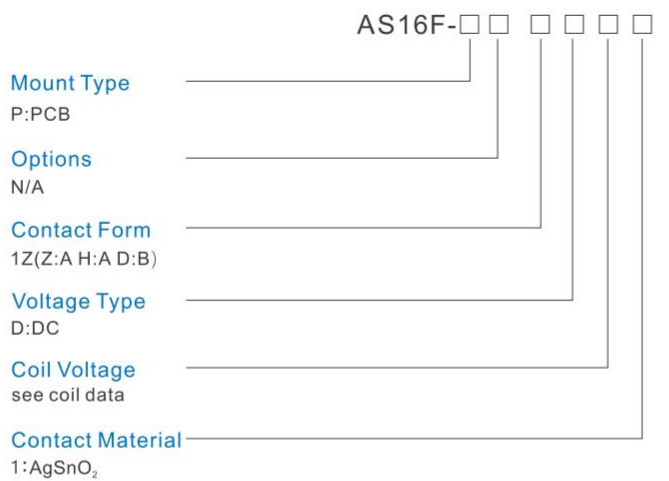
Dimensions (mm)



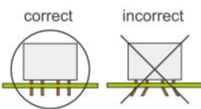
Features

- ♦ rated load 40A
- ♦ 2.5kV dielectric strength (between coil and contacts)
- ♦ insulation level: Class F
- ♦ plastic sealed and dust proof types available

Ordering Information

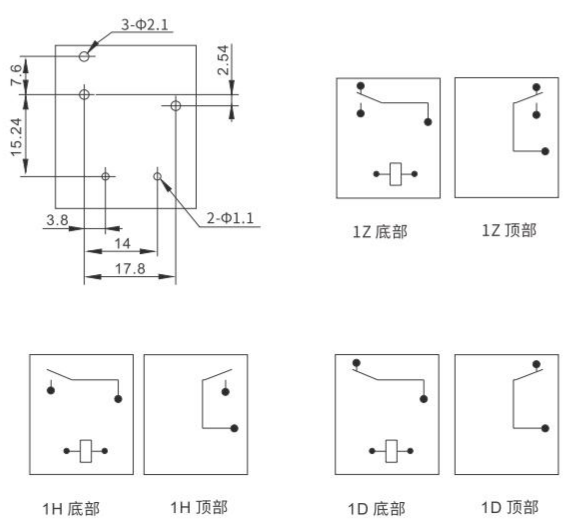


Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



1Z

Wiring Diagrams



AS18F PCB Relay



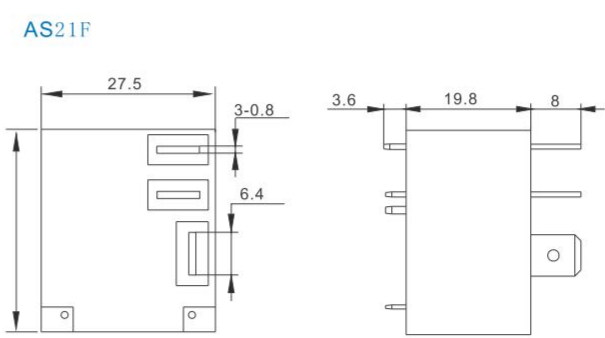
AS18F
(JQX-21F/T93)



Specifications		
Contact	Contact Form	1Z
	Rated Load (Resistive property)	NO:30A 250VAC/30VDC NC:20A 250VAC/30VDC NO:40A 250VAC/30VDC NC:30A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
	Insulation Resistance	≥1000MΩ (500VDC)
Characteristics	Dielectric Strength	Between open contacts≥1500VAC/1min Between contact and coil≥2500VAC/1min
	Operate/Release Time	≤15ms/10ms
	Terminal Type	PCB& Quick Connection
	Coil Operating PowerDC	0.9W

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.75	0.5	30
6	4.5	0.6	45
9	6.75	0.9	100
12	9.0	1.2	160
15	11.25	1.5	260
18	13.5	1.8	385
24	18.0	2.4	660
48	36.0	4.8	2560
70	52.5	7.0	5500
110	82.5	11	13450

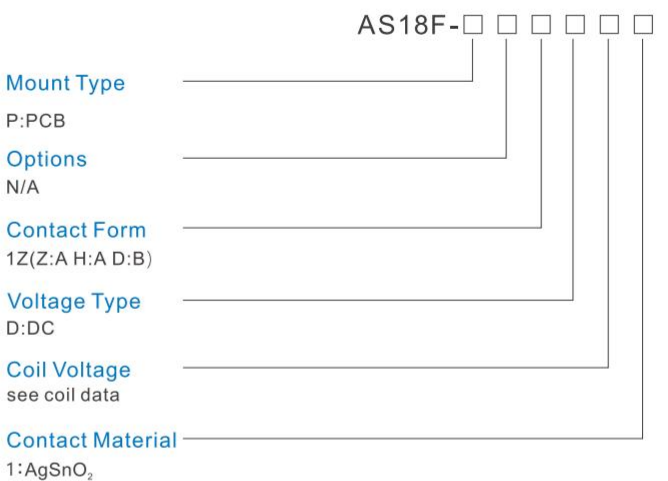
Dimensions (mm)



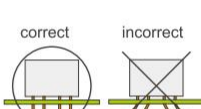
Features

- ♦ rated load40A
- ♦ PCB & quick contact terminal
- ♦ insulation level:Class F
- ♦ plastic sealed and dust proof types available

Ordering Information

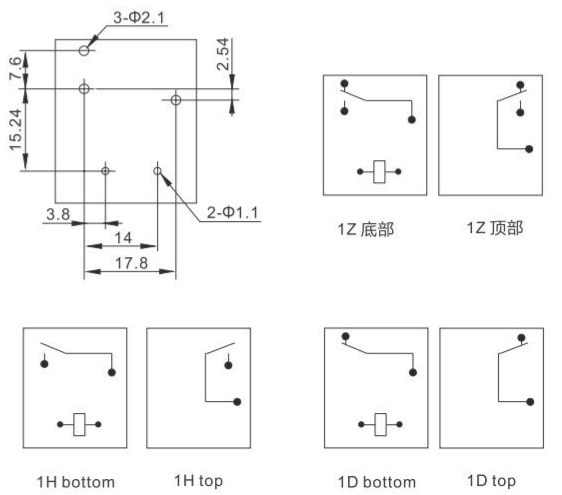


Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



1Z

Wiring Diagrams



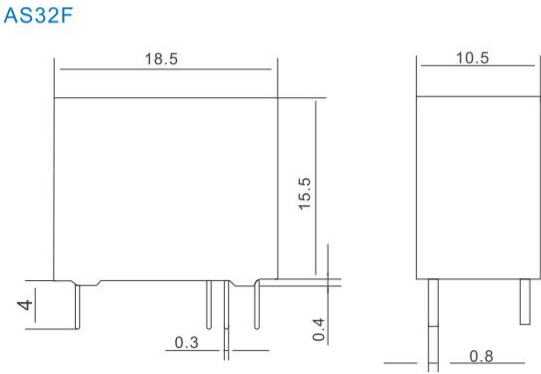
AS32F PCB Relay



Specifications		
Contact	Contact Form	1H
	Rated Load (Resistive property)	10.16A 250VAC/30VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤100MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥1000VAC/1min
		Between contact and coil≥4000VAC/1min
	Operate/Release Time	≤8ms/5ms
Coil	Terminal Type	PCB
	Operating PowerDC	0.45W

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
3	2.25	0.3	20
5	3.75	0.5	55
6	4.50	0.6	80
9	6.75	0.9	180
12	9.00	1.2	320
18	13.5	1.8	720
24	18.0	2.4	1280

Dimensions (mm)



Features

- ♦ rated load16A
- ♦ plastic sealed and dust proof types available
- ♦ insulation level: Class F

Ordering Information

AS32F-☐☐☐☐☐☐

Mount Type
P:PCB

Options
N/A

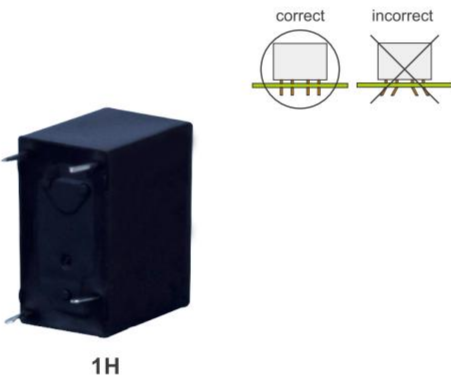
Contact Form
1H(H:A)

Voltage Type
D:DC

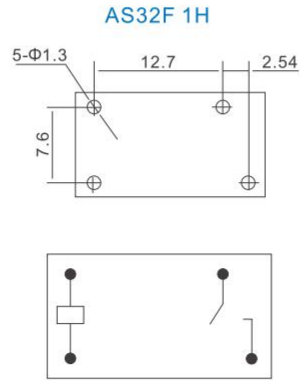
Coil Voltage
see coil data

Contact Material
1:AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



Wiring Diagrams



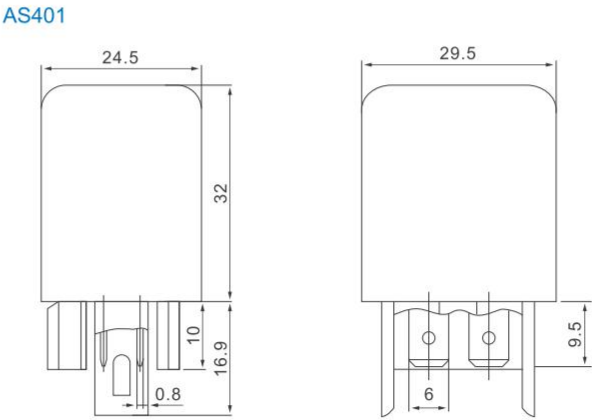
AS401Automotive Relay



Specifications		
Contact	Contact Form	1H
	Rated Load (Resistive property)	NO:30A 12VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤50MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥1000MΩ (500VDC)
	Dielectric Strength	Between open contacts≥500VAC/1min
		Between contact and coil≥500VAC/1min
	Operate/Release Time	≤15ms/10ms
Coil	Terminal Type	Quick Connection
	Operating PowerDC	1.8W

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.5	0.5	16
6	4.2	0.6	20
12	8.4	1.2	85
24	16.8	2.4	320

Dimensions (mm)



Features

- ♦ rated load10A
- ♦ extended temp. range up to 125°C
- ♦ plastic sealed and dust proof types available
- ♦ ELV compliant

Ordering Information

AS401-☐☐☐☐☐☐

Mount Type
N/A: quick connection

Options
N/A: standard D:diode R:resistance

Contact Form
1H(H:A)

Voltage Type
D: DC

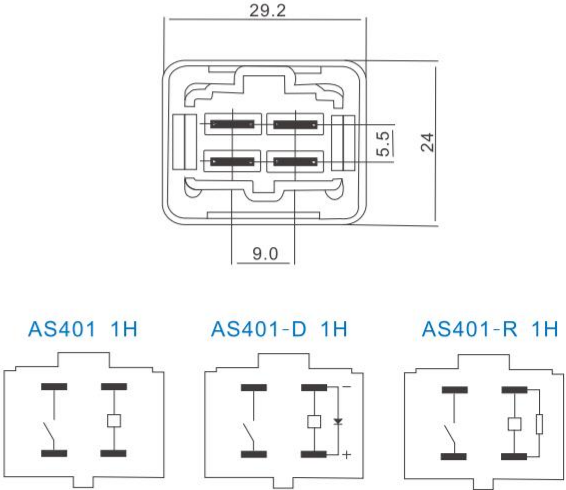
Coil Voltage
see coil data

Contact Material
1:AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



Wiring Diagrams



AS402Automotive Relay



AS402



Specifications

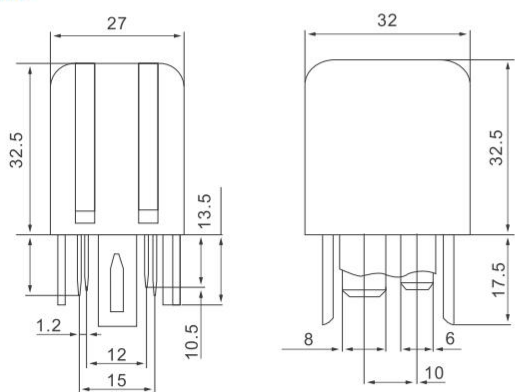
Contact	Contact Form	1H
	Rated Load (Resistive property)	30A 12VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤50MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Charact eristics	Insulation Resistance	≥500MΩ (500VDC)
	Dielectric Strength	Between open contacts≥500VAC/1min Between contact and coil≥500VAC/1min
	Operate/Release Time	≤15ms/10ms
	Terminal Type	Quick Connection
	Coil Operating PowerDC	1.8W

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.5	0.5	16
6	4.2	0.6	20
12	8.4	1.2	85
24	16.8	2.4	320

Dimensions (mm)

AS402



Features

- ♦ rated load30A
- ♦ extended temp. range up to 125°C
- ♦ plastic sealed and dust proof types available
- ♦ ELV compliant

Ordering Information

AS402-□ □ □ □ □ □

Mount Type _____
N/A: quicconnection

Options _____
N/A: standard D:diode R:resistance

Contact Form _____
1H(H:A)

Voltage Type _____
D:DC

Coil Voltage _____
see coil data

Contact Material _____
1:AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.

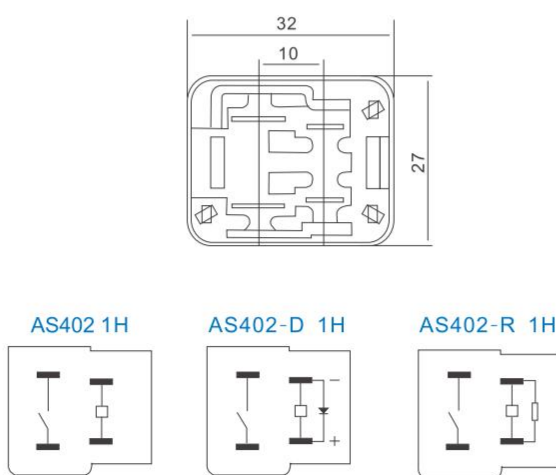


AS402



AS402

Wiring Diagrams



AS403Automotive Relay



AS403 (RL15)



AS404 (JD1929)



Specifications

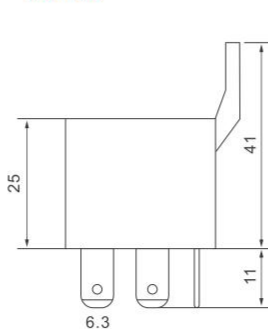
Contact	Contact Form	1H, 1Z
	Rated Load (Resistive property)	30A 12VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤50MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Charact eristics	Insulation Resistance	≥500MΩ (500VDC)
	Dielectric Strength	Between open contacts≥500VAC/1min Between contact and coil≥500VAC/1min
	Operate/Release Time	≤15ms/10ms
	Terminal Type	Quick Connection
	Coil Operating PowerDC	1.8W

DC Coil Data

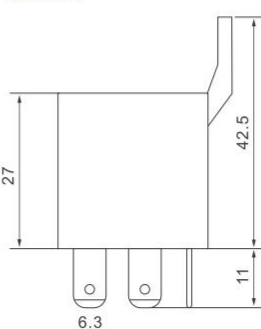
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.5	0.5	16
6	4.2	0.6	20
12	8.4	1.2	85
24	16.8	2.4	320

Dimensions (mm)

AS403



AS404



Features

- ♦ rated load30A
- ♦ extended temp. range up to 125°C
- ♦ plastic sealed and dust proof types available
- ♦ ELV compliant

Ordering Information

AS403-□ □ □ □ □ □

Mount Type _____
N/A: quickconnection

Options _____
N/A

Contact Form _____
1Z(Z:A H:A)

Voltage Type _____
D: DC

Coil Voltage _____
see coil data

Contact Material _____
1:AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



AS403 1Z



1H

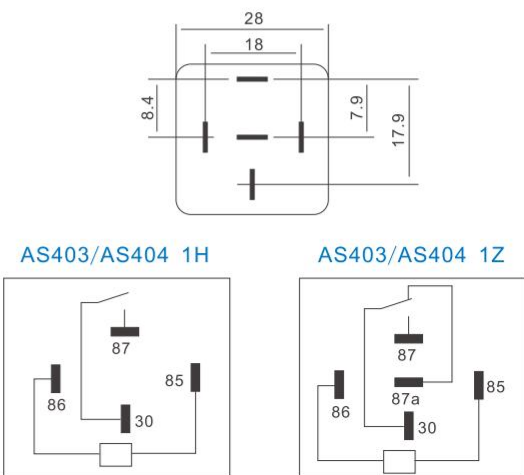


AS404 1Z



1H

Wiring Diagrams



AS405Automotive Relay



AS405
(CM6321)



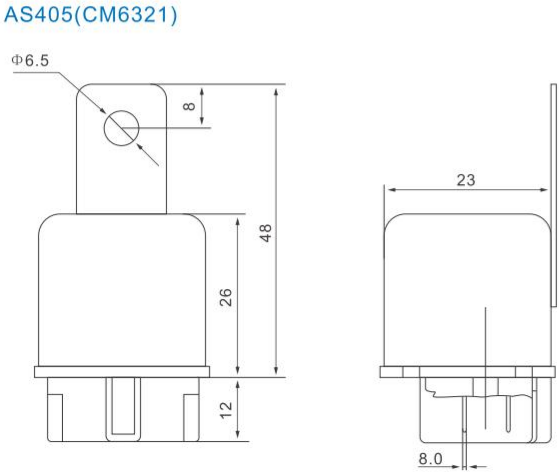
Specifications

Contact	Contact Form	1H
	Rated Load (Resistive property)	30A 12VDC
	Electrical/Mechanical Life	≥100000times/10000000times
	Initial Contact Resistance	≤50MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥500MΩ (500VDC)
	Dielectric Strength	Between open contacts≥500VAC/1min
		Between contact and coil≥500VAC/1min
	Operate/Release Time	≤15ms/10ms
	Terminal Type	Quick Connection
Coil	Operating PowerDC	1.8W

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.5	0.5	16
6	4.2	0.6	20
12	8.4	1.2	85
24	16.8	2.4	320

Dimensions (mm)



Features

- ♦ rated load30A
- ♦ extended temp. range up to 125°C
- ♦ plastic sealed and dust proof types available
- ♦ ELV compliant

Ordering Information

AS405-□□□□□

Mount Type _____
N/A: Quick Connection

Options _____
N/A

Contact Form _____
1H(H:A)

Voltage Type _____
D: DC

Coil Voltage _____
see coil data

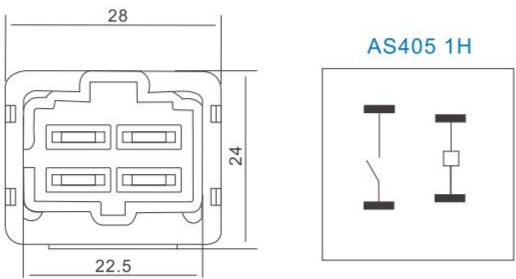
Contact Material _____
1:AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



AS405(CM6321)

Wiring Diagrams



AS406Automotive Relay



AS406
(CM6331)

AS406M
(CM6331)



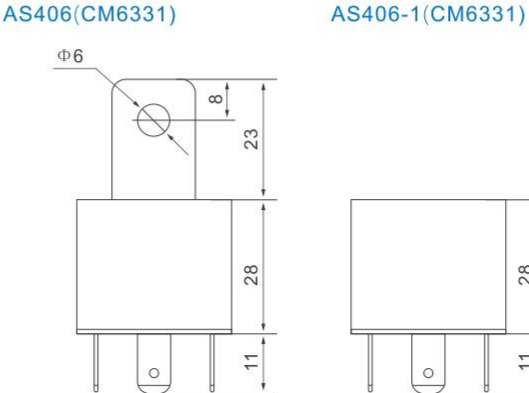
Specifications

Contact	Contact Form	1H, 1Z
	Rated Load (Resistive property)	30A 12VDC
	Electrical/Mechanical Life	≥100000times/10000000times
	Initial Contact Resistance	≤50MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥100MΩ (500VDC)
	Dielectric Strength	Between open contacts≥500VAC/1min
		Between contact and coil≥500VAC/1min
	Operate/Release Time	≤15ms/10ms
	Terminal Type	Quick Connection
Coil	Operating PowerDC	1.8W

DC Coil Data

Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.5	0.5	16
6	4.2	0.6	20
12	8.4	1.2	85
24	16.8	2.4	320

Dimensions (mm)



Features

- ♦ Rated Load30A
- ♦ extended temp. range up to 125°C
- ♦ plastic sealed and dust proof types available
- ♦ ELV compliant

Ordering Information

AS406-□□□□□

Mount Type _____
N/A:Quick Connection M:Metal Plate Mount

Options _____
N/A

Contact Form _____
1Z(Z:A H:A)

Voltage Type _____
D: DC

Coil Voltage _____
see coil data

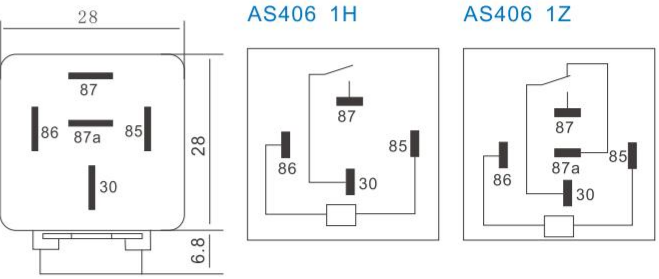
Contact Material _____
1:AgSnO₂

Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



AS406(CM6331)

Wiring Diagrams



AS408Automotive Relay



AS408
(CM6311)

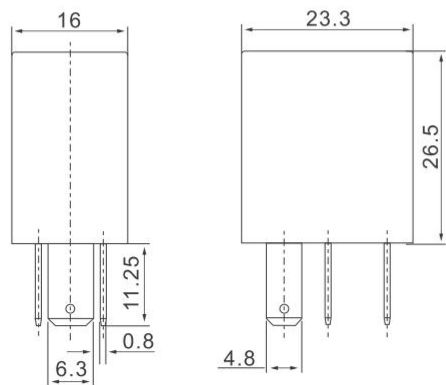


Specifications		
Contact	Contact Form	1H
	Rated Load (Resistive property)	30A 12VDC
	Electrical/Mechanical Life	≥100000times/1000000times
	Initial Contact Resistance	≤50MΩ (1A 6VDC)
	Contact Material	AgSnO ₂
Characteristics	Insulation Resistance	≥100MΩ (500VDC)
	Dielectric Strength	Between open contacts≥500VAC/1min Between contact and coil≥500VAC/1min
	Operate/Release Time	≤15ms/10ms
	Terminal Type	Quick Connection
Coil	Operating PowerDC	1.4W

DC Coil Data			
Rated Voltage VDC	Pickup Voltage VDC	Dropoff Voltage VDC	Coil Resistance Ω±10%
5	3.5	0.5	18
6	4.2	0.6	26
12	8.4	1.2	103
24	16.8	2.4	410

Dimensions (mm)

AS408(CM6331)



Features

- ♦ Rated Load30A
- ♦ extended temp. range up to 125°C
- ♦ plastic sealed and dust proof types available
- ♦ ELV compliant

Ordering Information

AS408-□□□□□□

Mount Type _____
N/A:Quick Connection

Options _____
N/A:standard D:diode R:resistance

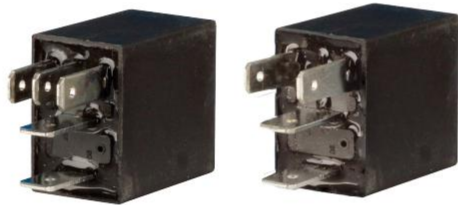
Contact Form _____
1H(H:A)

Voltage Type _____
D: DC

Coil Voltage _____
see coil data

Contact Material _____
1:AgSnO₂

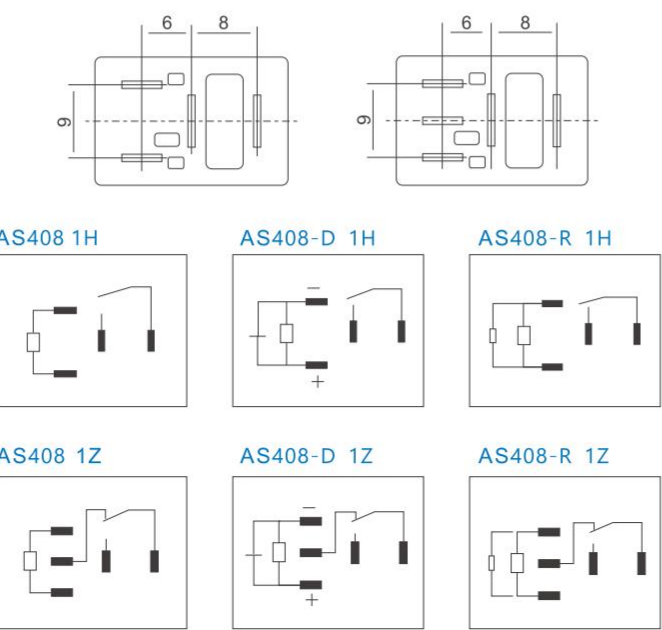
Notes: We have gradually updated our ordering information. We recommend selecting the new type. If necessary, the old type can be retained for a certain period to serve existing customers.



1Z

1H

Wiring Diagrams



SSRL solid state relay



SSRL

Features

- ♦ The product is small in size.
- ♦ Waterproof
- ♦ Anti-vibration

Ordering Information

SSRL-□-□-□-□

Relay Model _____

Load voltage _____
2:24-280VAC
3:24-380VAC

Load current _____
1-10A

Input voltage _____
For details, please refer to the coil specification table

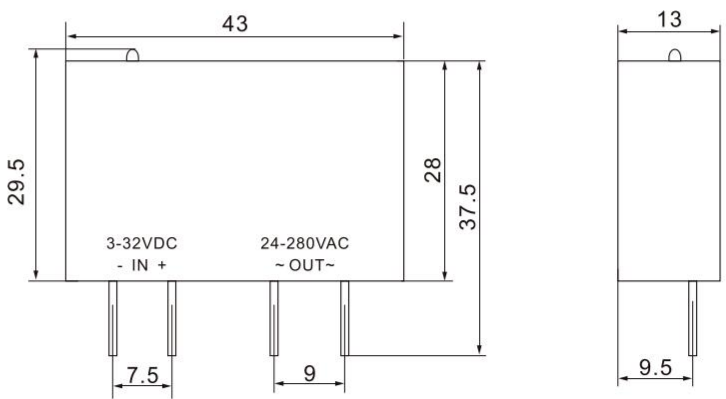
Specifications

Performance	Load voltage	24-280VAC/24-380VAC
	Load current	1-10A
	Input voltage	A, B,C,D,E
	Insulation resistance	≥50M
	Medium pressure resistance	≥2500VAC
	On-state voltage reduction	≤1.6V
	Leakage current upon power-off	≤5mA
	Reaction time	≤10ms

Input voltage range

SSRL-A:	80-250VAC
SSRL-B:	3-32VDC
SSRL-C:	3-14VDC
SSRL-D:	8-32VDC
SSRL-E:	4-32VDC/AC

Dimensions (mm)



SSRV solid state relay



SSRV

Features

- ♦ The product is small in size.
- ♦ Waterproof
- ♦ Anti-vibration

Ordering Information

SSRV- - - -

Relay Model

Load voltage

2:24-280VAC

3:24-380VAC

Load current

1-10A

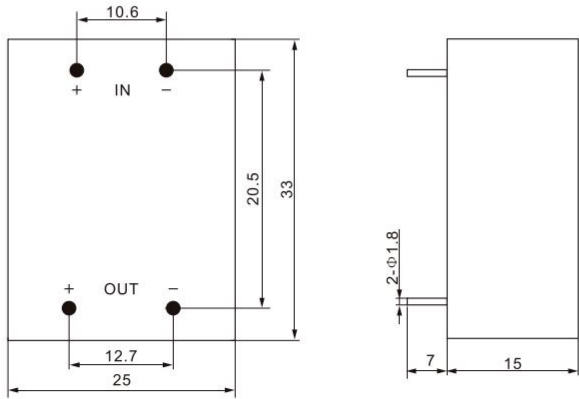
Input voltage

For details, please refer to the coil specification table

Specifications		
Performance	Load voltage	24-280VAC/24-380VAC
	Load current	1-10A
	Input voltage	A, B,C,D,E
	Insulation resistance	≥50M
	Medium pressure resistance	≥2500VAC
	On-state voltage reduction	≤1.6V
	Leakage current upon power-off	≤5mA
	Reaction time	≤10ms

Input voltage range	
SSRV-A:	80-250VAC
SSRV-B:	3-32VDC
SSRV-C:	3-14VDC
SSRV-D:	8-32VDC
SSRV-E:	4-32VDC/AC

Dimensions (mm)



SSRX solid state relay



SSRX

Features

- ♦ The product is small in size.
- ♦ Waterproof
- ♦ Anti-vibration

Ordering Information

SSRX- - - -

Relay Model

Load voltage

2:24-280VAC

3:24-380VAC

Load current

5-80A

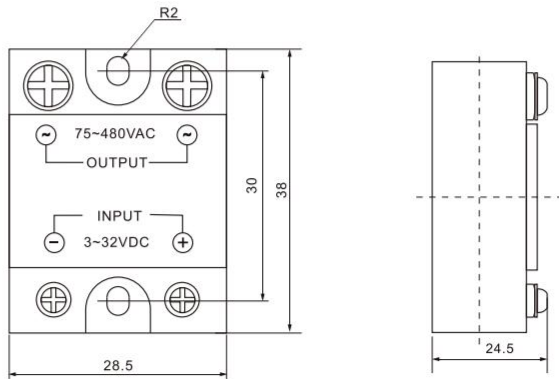
Input voltage

For details, please refer to the coil specification table

Specifications		
Performance	Load voltage	24-280VAC/24-380VAC/24-480VAC
	Load current	5-80A
	Input voltage	A, B,C,D,E
	Insulation resistance	≥50M
	Medium pressure resistance	≥2500VAC
	On-state voltage reduction	≤1.6V
	Leakage current upon power-off	≤5mA
	Reaction time	≤10ms

Input voltage range	
SSRX-A:	80-250VAC
SSRX-B:	3-32VDC
SSRX-C:	3-14VDC
SSRX-D:	8-32VDC
SSRX-E:	4-32VDC/AC

Dimensions (mm) wiring diagram, installation dimensions



SSR3 solid state relay



SSR3

Features

- ◆ The product is small in size.
- ◆ Waterproof
- ◆ Anti-vibration

Ordering Information

SSR3- □ - □ - □

Relay Model

Load voltage

2:24-280VAC
3:24-380VAC
4:24-480VAC

Load current

10,15,20,30,40A

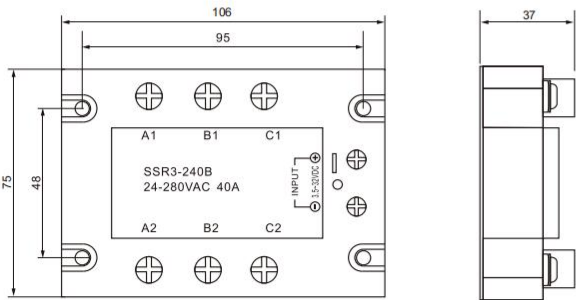
Input voltage

For details, please refer to the coil specification table

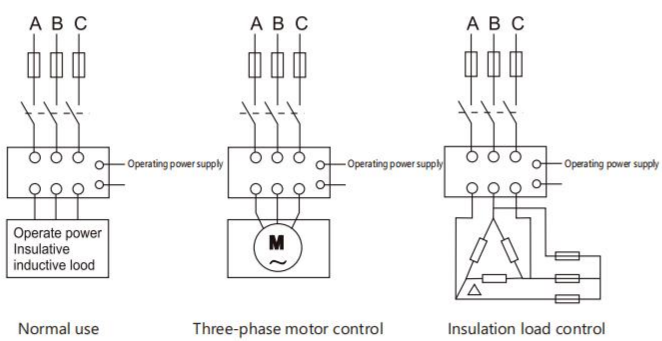
Specifications		
Performance	Load voltage	24-280VAC/24-380VAC/24-480VAC
	Load current	10,15,20,30,40A
	Input voltage	A, B,C,D,E
	Insulation resistance	≥50M
	Medium pressure resistance	≥2500VAC
	On-state voltage reduction	≤1.6V
	Leakage current upon power-off	≤5mA
	Reaction time	≤10ms

Input voltage range	
SSR3-A:	80-250VAC
SSR3-B:	3-32VDC
SSR3-C:	3-14VDC
SSR3-D:	8-32VDC
SSR3-E:	4-32VDC/AC

Dimensions (mm) Wiring diagram



Installation dimensions



SSRNC solid state relay



SSRNC

Features

- ◆ The product is small in size.
- ◆ Waterproof
- ◆ Anti-vibration

Ordering Information

SSRNC- □ - □ - □

Relay Model

Load voltage

2:24-280VAC
3:24-380VAC
4:24-480VAC

Load current

5-80A

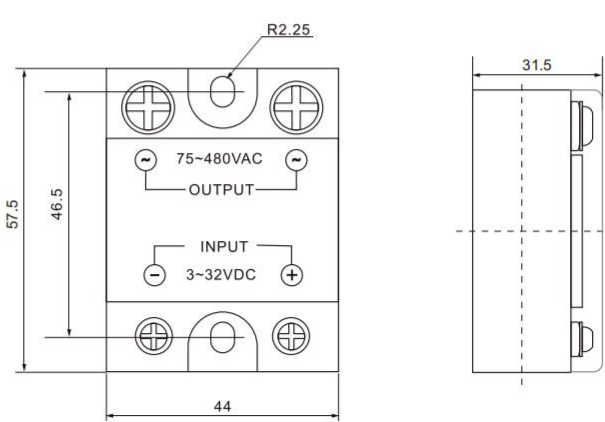
Input voltage

For details, please refer to the coil specification table

Specifications		
Performance	Load voltage	24-280VAC/24-380VAC
	Load current	5-80A
	Input voltage	A, B,C,D,E
	Insulation resistance	≥50M
	Medium pressure resistance	≥2500VAC
	On-state voltage reduction	≤1.6V
	Leakage current upon power-off	≤5mA
	Reaction time	≤10ms

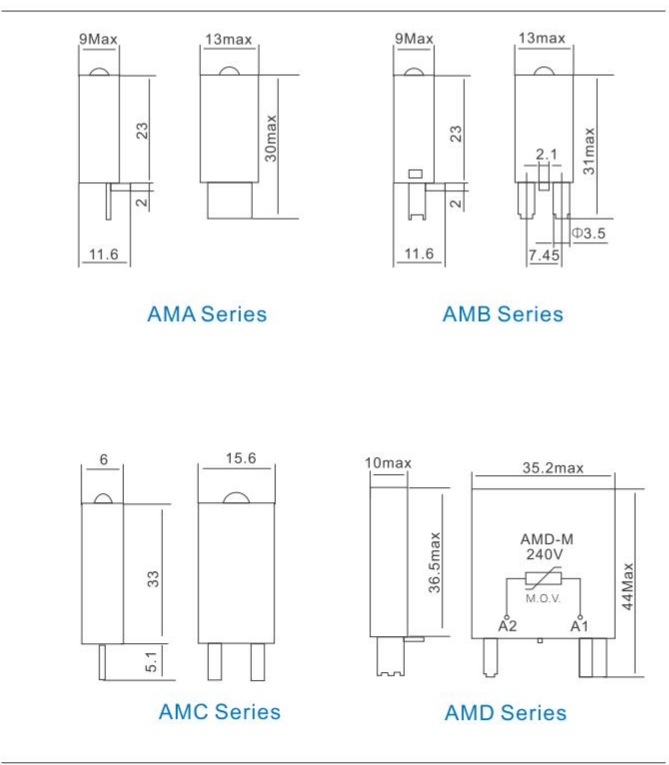
Input voltage range	
SSRNC-A:	80-250VAC
SSRNC-B:	3-32VDC
SSRNC-C:	3-14VDC
SSRNC-D:	8-32VDC
SSRNC-E:	4-32VDC/AC

Dimensions (mm) wiring diagram, installation dimensions





Module Type	Specifications	Function	Wiring Diagram
AMA/B/C/D-L	6-24VAC/DC 110/240VAC/DC	AC/DC Circuit status indicator	
AMA/B/C/D-LD	6-24VDC 110/240VDC	DC Circuit status indicator DC Surge suppressor	
AMA/B/D-RC	6-24VAC 110/240VAC	AC RC circuit	
AMA/B/D-M	24VAC/DC 120VAC/DC 240VAC/DC	AC/DC Over-voltage protection	
AMA/B/D-ML	24VAC/DC 120VAC/DC 240VAC/DC	AC/DC Circuit status AC/DC Over-voltage protection	
AMA/B/C/D-D	6-250VDC	DC Surge suppressor	



B-35	B-25C	B-25S	B-25S1
PYF Series	PDF Series	PRF05A-E PRF08A-E	PRF05-E PRF08-E

B-15F	B-25S2	B-35S
PDF Series	PRF05-S3 PRF08-S3	PYF08-S3 PYF14-S3

K-35S	K-15P/K-20P/K-25P	K-35	K-35T	K-53
PTF Series PYF□□A PYF□□A-E	PDP Series/PDF Series	PYF□□A-E2 PYF□□A-E3	PTP14/PYP Series	PPF Series

Notes

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