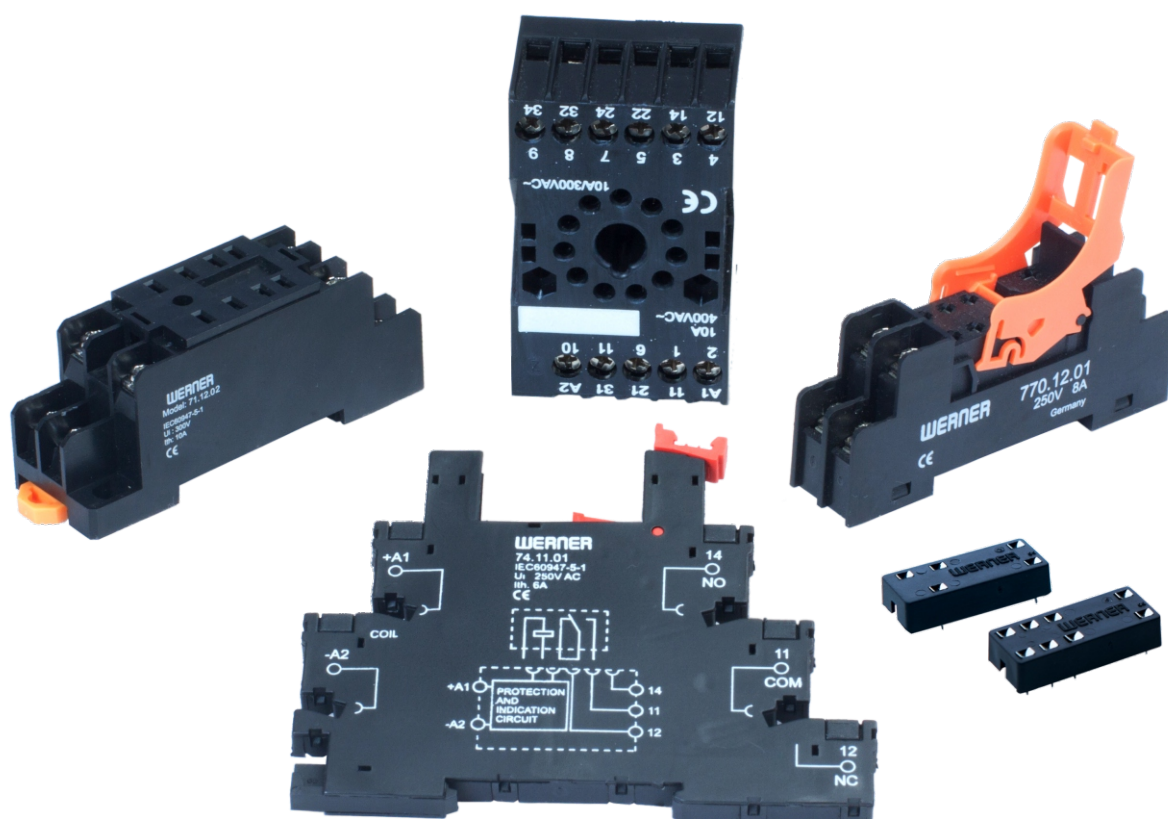


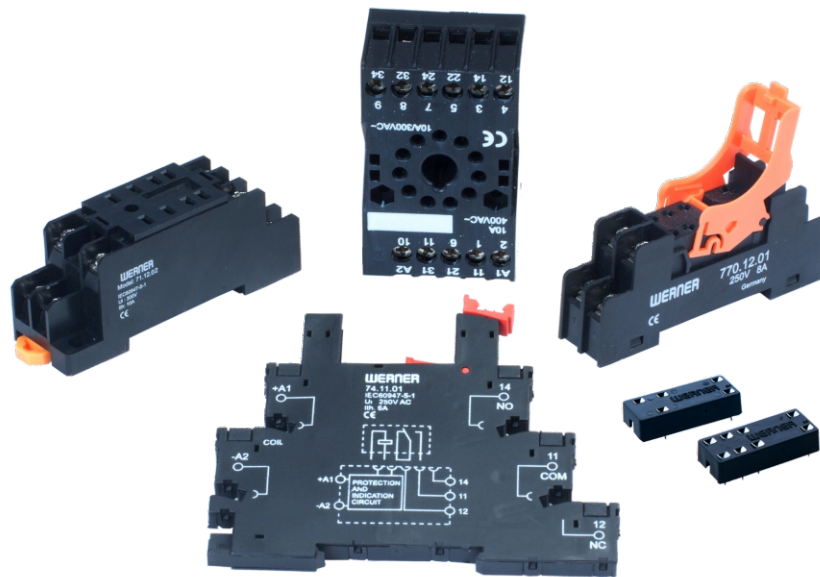
PRODUCT SPECIFICATION

70-75 Series Sockets



Model Selection.....	1
70 Series	2 - 5
71 Series	6 - 9
72 Series	10
73 Series	11 - 12
74 Series	13
75 Series	14 - 15
SK Series	16
Precautions.....	17

Sockets



WERNER'S 70-75 series sockets are the widest range of relay sockets. They are designed, manufactured and tested to meet the most demanding worldwide standard industrial requirements, our general purpose sockets offer reliable design, compact quick replacements, panel space saving and cost effective solutions.

Features Overview

- Sockets with built in Diodes
- Sockets with 10 amps contact ratings
- Sockets with dielectric strength 2000V
- Options from single pole up to four poles

Highlights

- Suitable for Din rail and PC board mounting
- Sockets with screw type & plug in type termination
- Werner sockets can accommodate all makes of relays

Werner sockets are designed for matching or mounting any make of standard relays and will perform for heavy-duty applications, large loads, long life and safety circuits. Werner has pioneered the popular and much copied DIN rail, snap-mount sockets today. Werner supplies sockets for many other relay manufacturers, and has done so far a long time.

The series include screw type wire connection, plug in type wire connection, PCB connection which are mountable on DIN rail, direct to panel and on board. If you are not certain you are getting the world's best-selling, highest-quality sockets available, it's time you plugged into Werner Sockets.

70-75 Series Sockets

WERNER

Sockets

Features:

- Dielectric strength 2,000V
- Compact and small
- 10A Contact Capacity.
- Built-in Diode models

Overvoltage category

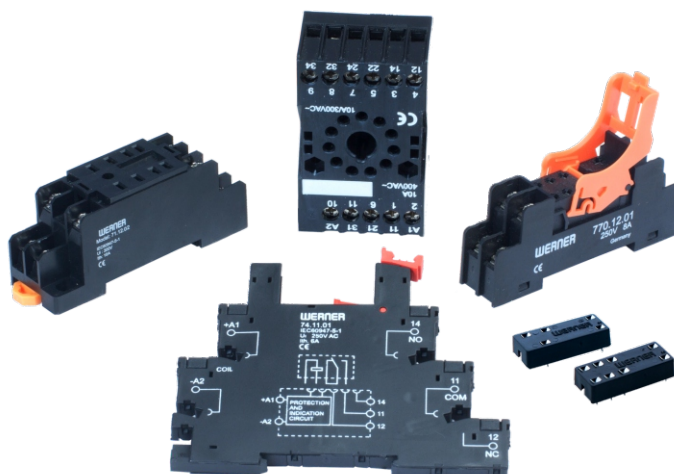
III, as per EN IEC 60947-5-1

Approvals

Approbations and Declaration of conformity

CE



CE



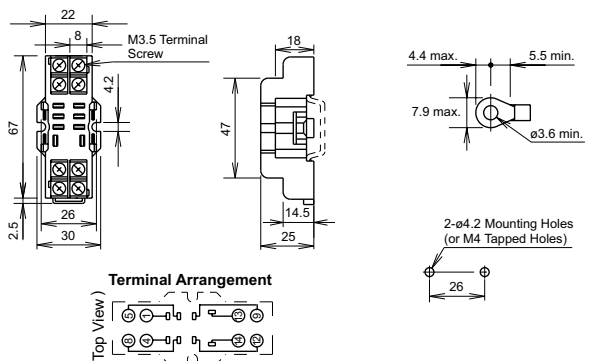
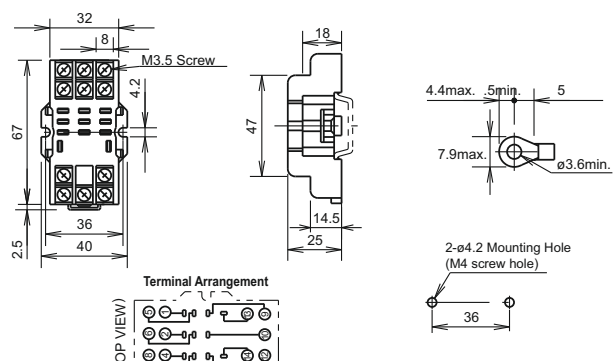
Model Selection

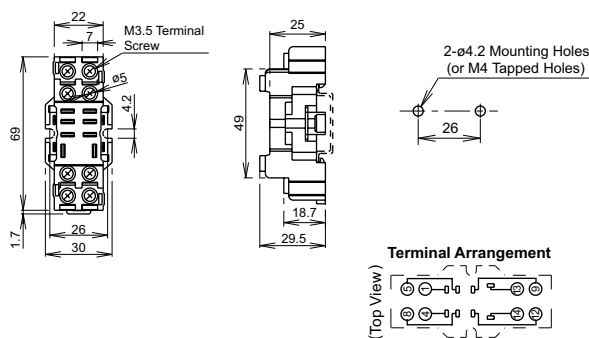
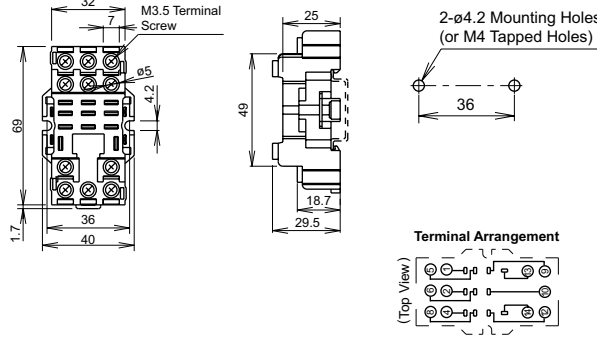
Description	Appearance	No. of Poles	Model Number	Voltage	Current
70 Series		1 Pole	70.11.00	250V	10 A
		2 Poles	70.12.00	300V	10 A
		3 Poles	70.13.00	300V	10 A
		4 Poles	70.14.00	600V	30 A
71 Series		2 Poles	71.12.05	—	10 A
		4 Poles	71.14.05	—	10 A
		2 Poles	71.12.00	300V	7 A
		3 Poles	71.13.00	300V	7 A
		4 Poles	71.14.00	300V	7 A
		2 Poles	71.12.01	300V	7 A
		2 Poles	71.12.02	300V	7 A
		3 Poles	71.13.01	300V	7 A
72 Series		4 Poles	71.14.01	300V	7 A
		1 Poles	72.11.00	250V	10 A
		2 Poles	72.12.00	250V	7 A
		1 Poles	72.11.01	250V	10 A
73 Series		2 Poles	72.12.01	250V	7 A
		1 Poles	73.12.00	300V	10 A
		2 Poles	73.13.00	300V	10 A
		1 Poles	73.12.01	300V	10 A
74 Series		2 Poles	73.13.01	300V	10 A
		1 Pole	74.11.01	250V	6 A
75 Series		1 Pole	75.11.01	300V	12 A
		2 Pole	75.12.01	300V	8 A
		1 Pole	75.11.05	250V	10 A
		2 Pole	75.12.05	250V	10 A

DIN Rail Mounting

2 Poles			3 Poles		
					

Model No.	70.12.00	70.12.01	Model No.	70.13.00	70.13.01
Style	8-blade, snap/surface mount		Style	11-blade, snap/surface mount	
Rated Insulation Voltage	300V AC/DC		Rated Insulation Voltage	300V AC/DC	
Rated Current	10A		Rated Current	10A	
Insulation Resistance	100 MΩ minimum		Insulation Resistance	100 MΩ minimum	
Applicable Wire	1.25 mm ² (2 mm ² maximum)		Applicable Wire	1.25 mm ² (2 mm ² maximum)	
Screw Terminal	M3 Slotted Phillips		Screw Terminal	M3 Slotted Phillips	
Screw Tightening Torque	0.6 to 1.0 N.m		Screw Tightening Torque	0.6 to 1.0 N.m	
Dielectric Strength	2000V AC, 1 minute		Dielectric Strength	2000V AC, 1 minute	
Operating Temperature	-60 to +75°C (no freezing)		Operating Temperature	-60 to +75°C (no freezing)	
Degree of Protection	IP 20 (Fingersafe)	IP 40	Degree of Protection	IP 20 (Fingersafe)	IP 40
Weight (approx.)	40g		Weight (approx.)	48g	
Applicable Relay	20.12 & 20.22		Applicable Relay	20.13 & 20.23	

Without Fingersafe	Without Fingersafe
 <p>Technical drawing of the 2 Pole socket without fingersafe. It includes a top view showing dimensions: 22mm width, 8mm terminal spacing, 67mm height, 2.5mm mounting hole offset, 26mm terminal width, 30mm terminal depth, 47mm body height, 18mm terminal width, 14.5mm terminal depth, 25mm body depth, 4.4mm max. terminal height, 5.5mm min. terminal height, 7.9mm max. terminal height, and 3.6mm min. terminal diameter. It also shows 2-ø4.2 mounting holes (or M4 Tapped Holes) with a 26mm spacing. The terminal arrangement is shown as a top view with 8 terminals.</p>	 <p>Technical drawing of the 3 Pole socket without fingersafe. It includes a top view showing dimensions: 32mm width, 8mm terminal spacing, 67mm height, 2.5mm mounting hole offset, 36mm terminal width, 40mm terminal depth, 47mm body height, 18mm terminal width, 14.5mm terminal depth, 25mm body depth, 4.4mm max. terminal height, 5.5mm min. terminal height, 7.9mm max. terminal height, and 3.6mm min. terminal diameter. It also shows 2-ø4.2 mounting holes (or M4 screw hole) with a 36mm spacing. The terminal arrangement is shown as a top view with 11 terminals.</p>

Fingersafe	Fingersafe
 <p>Technical drawing of the 2 Pole socket with fingersafe. It includes a top view showing dimensions: 22mm width, 7mm terminal spacing, 69mm height, 1.7mm mounting hole offset, 26mm terminal width, 30mm terminal depth, 49mm body height, 18.7mm terminal width, 29.5mm body depth, 4.2mm terminal height, and 3.6mm min. terminal diameter. It also shows 2-ø4.2 mounting holes (or M4 Tapped Holes) with a 26mm spacing. The terminal arrangement is shown as a top view with 8 terminals.</p>	 <p>Technical drawing of the 3 Pole socket with fingersafe. It includes a top view showing dimensions: 32mm width, 7mm terminal spacing, 69mm height, 1.7mm mounting hole offset, 36mm terminal width, 40mm terminal depth, 49mm body height, 18.7mm terminal width, 29.5mm body depth, 4.2mm terminal height, and 3.6mm min. terminal diameter. It also shows 2-ø4.2 mounting holes (or M4 Tapped Holes) with a 36mm spacing. The terminal arrangement is shown as a top view with 11 terminals.</p>

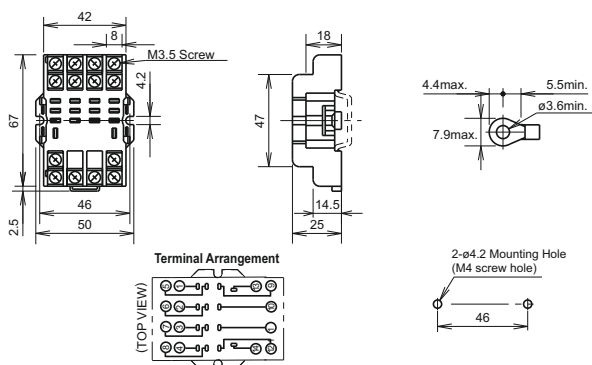
DIN Rail Mounting

4 Poles

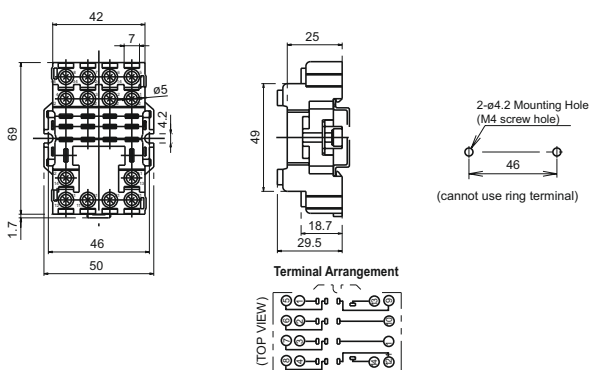


Model No.	70.14.00	70.14.01
Style	14-blade, snap/surface mount	
Rated Insulation Voltage	300V AC/DC	
Rated Current	10A	
Insulation Resistance	100 MΩ minimum	
Applicable Wire	1.25 mm ² (2 mm ² maximum)	
Screw Terminal	M3 Slotted Phillips	
Screw Tightening Torque	0.6 to 1.0 N.m	
Dielectric Strength	2000V AC, 1 minute	
Operating Temperature	-60 to +75°C (no freezing)	
Degree of Protection	IP 20 (Fingersafe)	IP 40
Weight (approx.)	56g	
Applicable Relay	20.14 & 20.24	


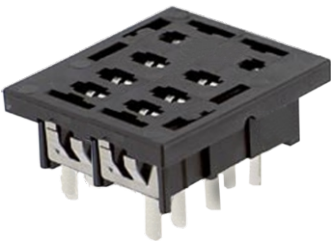
Without Fingersafe



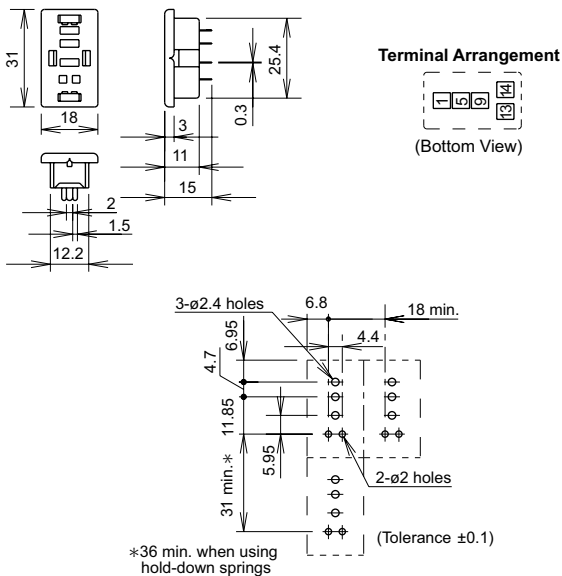
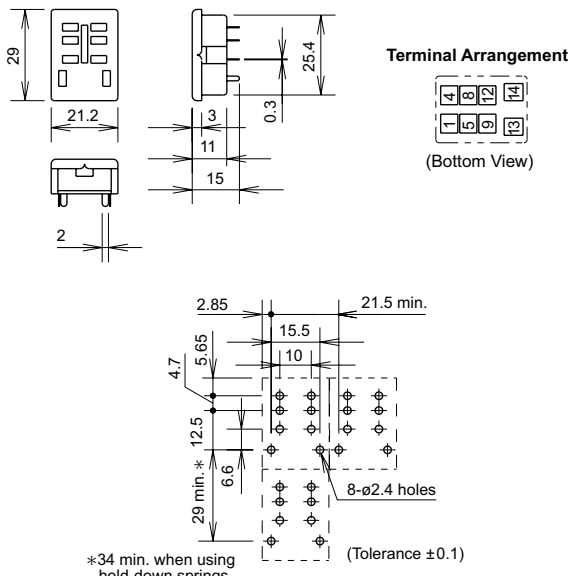
Fingersafe



PC Board Mounting

1 Pole	2 Poles
	

Model No.	70.21.00	Model No.	70.22.00
Style	5-blade, panel mount	Style	8-blade, panel mount
Terminal	Solder	Terminal	Solder
Rated Current	10A	Rated Current	10A
Rated Voltage	250V AC/DC	Rated Voltage	300V AC/DC
Insulation Resistance	100 MΩ minimum	Insulation Resistance	100 MΩ minimum
Shock Resistance	Damage limits: 90m/s ²	Shock Resistance	Damage limits: 90m/s ²
Operating Temperature	-40 to +70°C (no freezing)	Operating Temperature	-40 to +70°C (no freezing)
Operating Humidity	5 to 85% Rh (No condensation)	Operating Humidity	5 to 85% Rh (No condensation)
Weight (approx.)	4.2g	Weight (approx.)	4.5g
Compatible Relay	20.11 & 20.21	Compatible Relay	20.12 & 20.22
Dielectric Strength	b/w coil & contact 5000V, 1 minute b/w terminals of the same pole: 1000V, 1 minute	Dielectric Strength	b/w coil & contact 5000V, 1 minute b/w terminals of the same pole: 1000V, 1 minute

Dimensions	Dimensions
 <p>Terminal Arrangement (Bottom View)</p> <p>*36 min. when using hold-down springs</p> <p>(Tolerance ±0.1)</p>	 <p>Terminal Arrangement (Bottom View)</p> <p>*34 min. when using hold-down springs</p> <p>(Tolerance ±0.1)</p>

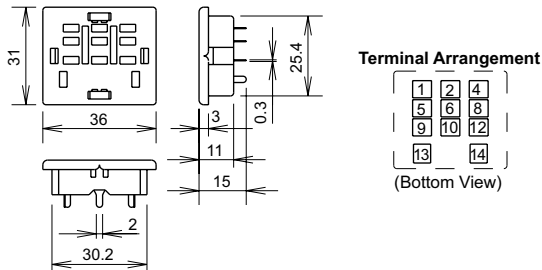
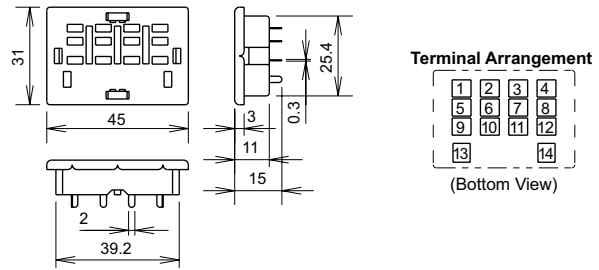
70-75 Series Sockets

WERNER

PC Board Mounting

3 Poles	4 Poles
	

Model No.	70.23.00	Model No.	70.24.00
Style	11-blade, panel mount	Style	14-blade, panel mount
Terminal	Solder	Terminal	Solder
Rated Current	10A	Rated Current	10A
Rated Voltage	300V AC/DC	Rated Voltage	300V AC/DC
Insulation Resistance	100 MΩ minimum	Insulation Resistance	100 MΩ minimum
Shock Resistance	Damage limits: 90m/s ²	Shock Resistance	Damage limits: 90m/s ²
Operating Temperature	-40 to +70°C (no freezing)	Operating Temperature	-40 to +70°C (no freezing)
Operating Humidity	5 to 85% Rh (No condensation)	Operating Humidity	5 to 85% Rh (No condensation)
Weight (approx.)	4.8g	Weight (approx.)	5g
Compatible Relay	20.13 & 20.23	Compatible Relay	20.14 & 20.24
Dielectric Strength	b/w coil & contact 5000V, 1 minute b/w terminals of the same pole: 1000V, 1 minute	Dielectric Strength	b/w coil & contact 5000V, 1 minute b/w terminals of the same pole: 1000V, 1 minute

Dimensions	Dimensions																												
 <p>Terminal Arrangement</p> <table><tr><td>1</td><td>2</td><td>4</td></tr><tr><td>5</td><td>6</td><td>8</td></tr><tr><td>9</td><td>10</td><td>12</td></tr><tr><td>13</td><td>14</td><td></td></tr></table> <p>(Bottom View)</p> <p>11-ø2.4 holes (Tolerance ±0.1)</p> <p>*36 min. when using hold-down springs</p>	1	2	4	5	6	8	9	10	12	13	14		 <p>Terminal Arrangement</p> <table><tr><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td></td><td></td><td>14</td></tr></table> <p>(Bottom View)</p> <p>14-ø2.4 holes (Tolerance ±0.1)</p>	1	2	3	4	5	6	7	8	9	10	11	12	13			14
1	2	4																											
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70-75 Series Sockets

WERNER

DIN Rail Mounting


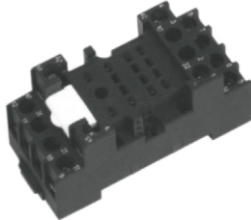

2 Pole		2 Pole		4 Poles	
					
Model No.	71.12.02	71.12.05	71.12.05	71.14.05	71.14.05
Style	8-pin, snap/surface mount	8-blade DIN-mount/surface mount	8-blade DIN-mount/surface mount	14-blade DIN-mount/surface mount	14-blade DIN-mount/surface mount
Rated Insulation Voltage	300V AC/DC	300V AC/DC	300V AC/DC	300V AC/DC	300V AC/DC
Rated Current	7A	10A	10A	10A	10A
Insulation Resistance	100 MΩ minimum	100 MΩ minimum	100 MΩ minimum	100 MΩ minimum	100 MΩ minimum
Applicable Wire	1.25 mm ² (2 mm ² maximum)	1.25 mm ² (2 mm ² maximum)	1.25 mm ² (2 mm ² maximum)	1.25 mm ² (2 mm ² maximum)	1.25 mm ² (2 mm ² maximum)
Terminal	M3 Slotted Phillips	Spring Clamp	Spring Clamp	Spring Clamp	Spring Clamp
Screw Tightening Torque	0.6 to 1.0 N.m	0.6 to 1.0 N.m	0.6 to 1.0 N.m	0.6 to 1.0 N.m	0.6 to 1.0 N.m
Dielectric Strength	2000V AC, 1 minute	2000V AC, 1 minute	2000V AC, 1 minute	2000V AC, 1 minute	2000V AC, 1 minute
Operating Temperature	-60 to +75°C (no freezing)	-60 to +75°C (no freezing)	-60 to +75°C (no freezing)	-60 to +75°C (no freezing)	-60 to +75°C (no freezing)
Degree of Protection	IP 40	IP 20	IP 20	IP 20	IP 20
Weight (approx.)	40g	80g	80g	85g	85g
Applicable Relay	21.12 & 21.22	21.12 & 21.22	21.12 & 21.22	21.14 & 21.24	21.14 & 21.24

Dimensions	Dimensions	Dimensions

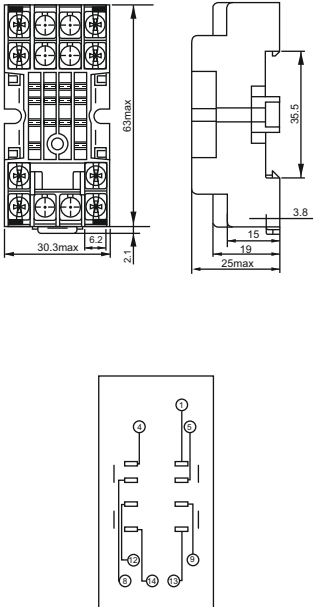
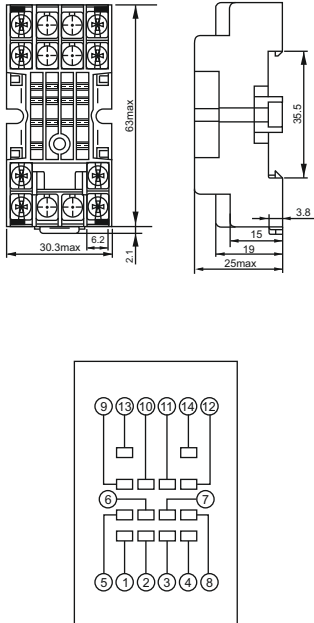
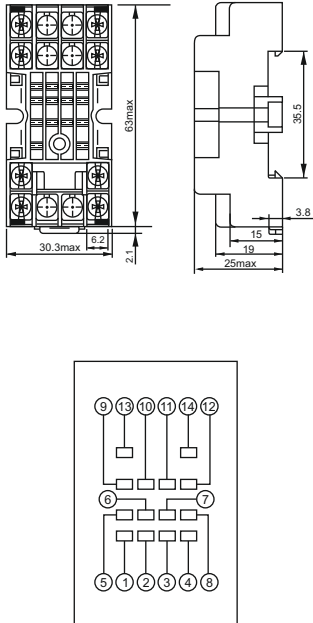
70-75 Series Sockets

WERNER




DIN Rail Mounting

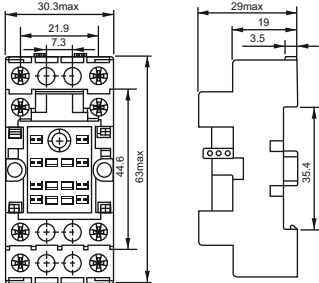
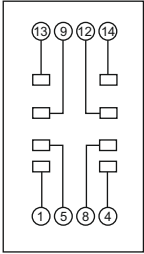
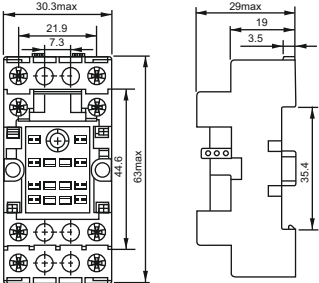
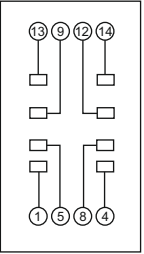
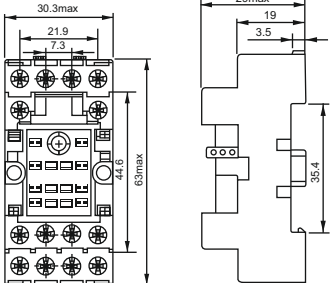
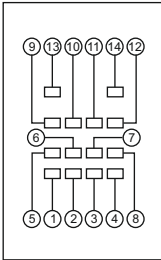
2 Poles	3 Poles	4 Poles
		

Model No.	71.12.00	71.13.00	71.14.00
Style	8-pin, snap/surface mount	11-pin, snap/surface mount	14-pin, snap/surface mount
Rated Insulation Voltage	300V AC/DC	300V AC/DC	300V AC/DC
Rated Current	7A	7A	7A
Insulation Resistance	100 MΩ minimum	100 MΩ minimum	100 MΩ minimum
Applicable Wire	1.25 mm ² (2 mm ² maximum)	1.25 mm ² (2 mm ² maximum)	1.25 mm ² (2 mm ² maximum)
Screw Terminal	M3 Slotted Phillips	M3 Slotted Phillips	M3 Slotted Phillips
Screw Tightening Torque	0.6 to 1.0 N.m	0.6 to 1.0 N.m	0.6 to 1.0 N.m
Dielectric Strength	2000V AC, 1 minute	2000V AC, 1 minute	2000V AC, 1 minute
Operating Temperature	-60 to +75°C (no freezing)	-60 to +75°C (no freezing)	-60 to +75°C (no freezing)
Degree of Protection	IP 40	IP 40	IP 40
Weight (approx.)	40g	48g	56g
Applicable Relay	21.12 & 21.22	21.13 & 21.23	21.14 & 21.24


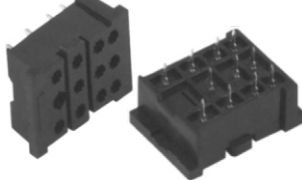
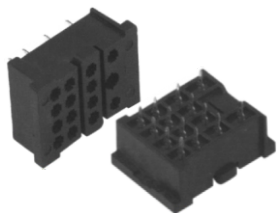
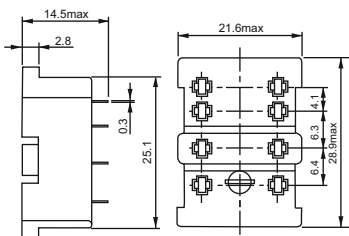
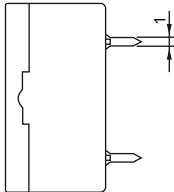
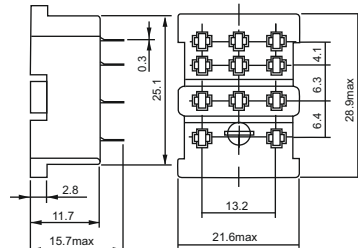
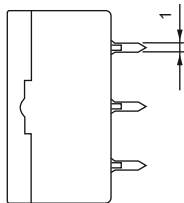
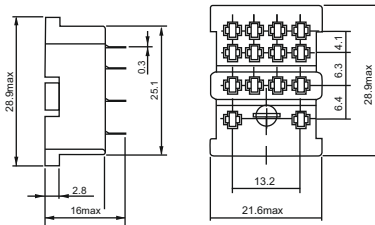
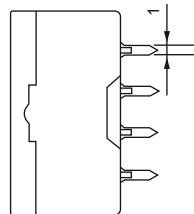
Dimensions	Dimensions	Dimensions
		

DIN Rail Mounting



	2 Poles	3 Poles	4 Poles
			
Model No.	71.12.01	71.13.01	71.14.01
Style	8-blade DIN-mount/surface mount	11-blade DIN-mount/surface mount	14-blade DIN-mount/surface mount
Rated Insulation Voltage	300V AC/DC	300V AC/DC	300V AC/DC
Rated Current	7A	7A	7A
Insulation Resistance	100 MΩ minimum	100 MΩ minimum	100 MΩ minimum
Applicable Wire	1.25 mm ² (2 mm ² maximum)	1.25 mm ² (2 mm ² maximum)	1.25 mm ² (2 mm ² maximum)
Screw Terminal	M3 Slotted Phillips	M3 Slotted Phillips	M3 Slotted Phillips
Screw Tightening Torque	0.6 to 1.0 N.m	0.6 to 1.0 N.m	0.6 to 1.0 N.m
Dielectric Strength	2000V AC, 1 minute	2000V AC, 1 minute	2000V AC, 1 minute
Operating Temperature	-60 to +75°C (no freezing)	-60 to +75°C (no freezing)	-60 to +75°C (no freezing)
Degree of Protection	IP 20 (Fingersafe)	IP 20 (Fingersafe)	IP 20 (Fingersafe)
Weight (approx.)	40g	48g	56g
Applicable Relay	21.12 & 21.22	21.13 & 21.23	21.14 & 21.24

Dimensions	Dimensions	Dimensions
 	 	 

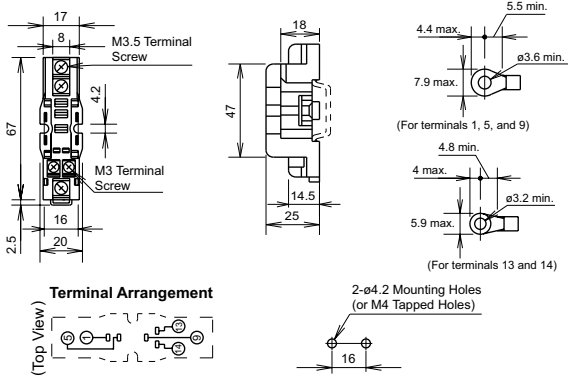
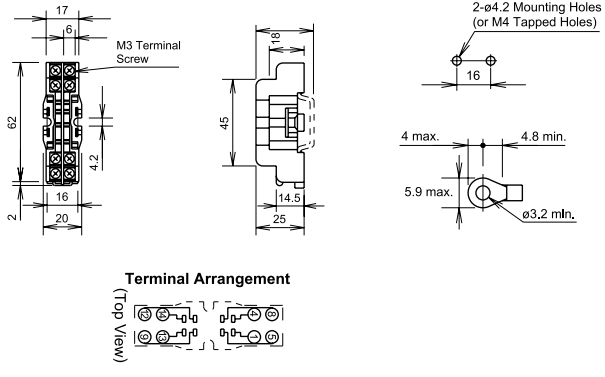
PC Board Mounting

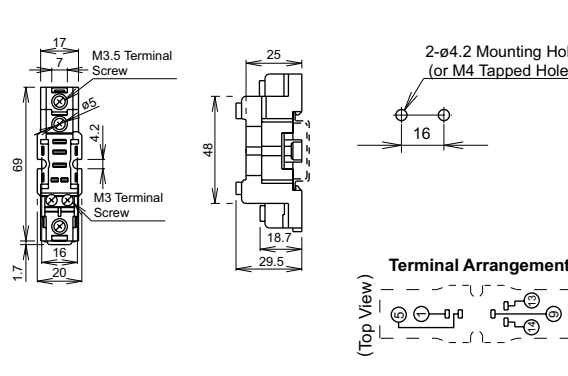
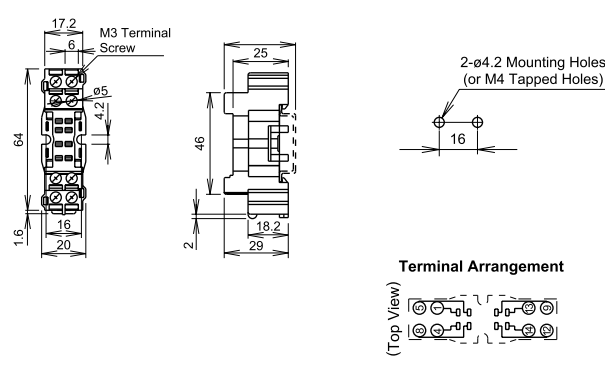
2 Poles		3 Poles		4 Poles	
					
Model No.	71.22	71.23	71.24		
Style	8-blade, panel mount	11-blade, panel mount	14-blade, panel mount		
Terminal	Solder	Solder	Solder		
Rated Current	7A	7A	10A		
Rated Voltage	300V AC/DC	300V AC/DC	300V AC/DC		
Insulation Resistance	100 MΩ minimum	100 MΩ minimum	100 MΩ minimum		
Shock Resistance	Damage limits: 90m/s ²	Damage limits: 90m/s ²	Damage limits: 90m/s ²		
Operating Temperature	−40 to +70°C (no freezing)	−40 to +70°C (no freezing)	−40 to +70°C (no freezing)		
Operating Humidity	5 to 85% Rh (No condensation)	5 to 85% Rh (No condensation)	5 to 85% Rh (No condensation)		
Weight (approx.)	18g	22g	26g		
Compatible Relay	21.12 & 21.22	21.13 & 21.23	21.14 & 21.24		
Dielectric Strength	b/w coil & contact 5000V, 1 minute b/w terminals of the same pole: 1000V, 1 minute	b/w coil & contact 5000V, 1 minute b/w terminals of the same pole: 1000V, 1 minute	b/w coil & contact 5000V, 1 minute b/w terminals of the same pole: 1000V, 1 minute		
Dimensions		Dimensions		Dimensions	
 		 		 	

DIN Rail Mounting

1 Pole	2 Poles
	

Model No.	72.11.00	72.11.01	Model No.	72.12.00	72.12.01
Style	5-blade, snap/surface mount		Style	8-blade, snap/surface mount	
Rated Insulation Voltage	250V AC/DC		Rated Insulation Voltage	250V AC/DC	
Rated Current	10A		Rated Current	7A	
Insulation Resistance	100 MΩ minimum		Insulation Resistance	100 MΩ minimum	
Applicable Wire	1.25 mm ² (2 mm ² maximum)		Applicable Wire	1.25 mm ² (2 mm ² maximum)	
Screw Terminal	M3 Slotted Phillips		Screw Terminal	M3 Slotted Phillips	
Screw Tightening Torque	0.6 to 1.0 N.m		Screw Tightening Torque	0.6 to 1.0 N.m	
Dielectric Strength	2000V AC, 1 minute		Dielectric Strength	2000V AC, 1 minute	
Operating Temperature	-60 to +75°C (no freezing)		Operating Temperature	-60 to +75°C (no freezing)	
Degree of Protection	IP 20 (Fingersafe)	IP 40	Degree of Protection	IP 20 (Fingersafe)	IP 40
Weight (approx.)	36g		Weight (approx.)	36g	
Applicable Relay	22.11 & 22.21		Applicable Relay	22.11 & 22.21	

Without Fingersafe	Without Fingersafe
 <p>Technical drawing of the 1 Pole socket without fingersafe. It shows a top view with dimensions: 17mm total width, 8mm terminal width, 4.2mm terminal pitch, 67mm total height, 16mm terminal width, 20mm terminal pitch, 2.5mm terminal thickness, 47mm total height, 18mm terminal width, 14.5mm terminal pitch, 25mm terminal pitch, 4.4mm max. terminal width, 5.5mm min. terminal width, 7.9mm max. terminal width, 4.8mm min. terminal width, 4mm max. terminal width, 5.9mm max. terminal width, 3.2mm min. terminal width. It also shows a side view with dimensions: 18mm total width, 14.5mm terminal pitch, 25mm terminal pitch, 4.4mm max. terminal width, 5.5mm min. terminal width, 7.9mm max. terminal width, 4.8mm min. terminal width, 4mm max. terminal width, 5.9mm max. terminal width, 3.2mm min. terminal width. The terminal arrangement is shown as a top view with 5 terminals.</p>	 <p>Technical drawing of the 2 Poles socket without fingersafe. It shows a top view with dimensions: 17mm total width, 6mm terminal width, 4.2mm terminal pitch, 62mm total height, 16mm terminal width, 20mm terminal pitch, 2mm terminal thickness, 45mm total height, 18mm terminal width, 14.5mm terminal pitch, 25mm terminal pitch, 4.4mm max. terminal width, 5.5mm min. terminal width, 7.9mm max. terminal width, 4.8mm min. terminal width, 4mm max. terminal width, 5.9mm max. terminal width, 3.2mm min. terminal width. It also shows a side view with dimensions: 18mm total width, 14.5mm terminal pitch, 25mm terminal pitch, 4.4mm max. terminal width, 5.5mm min. terminal width, 7.9mm max. terminal width, 4.8mm min. terminal width, 4mm max. terminal width, 5.9mm max. terminal width, 3.2mm min. terminal width. The terminal arrangement is shown as a top view with 8 terminals.</p>

Fingersafe	Fingersafe
 <p>Technical drawing of the 1 Pole socket with fingersafe. It shows a top view with dimensions: 17mm total width, 7mm terminal width, 4.2mm terminal pitch, 69mm total height, 16mm terminal width, 20mm terminal pitch, 1.7mm terminal thickness, 48mm total height, 18.7mm terminal width, 29.5mm terminal pitch, 4.4mm max. terminal width, 5.5mm min. terminal width, 7.9mm max. terminal width, 4.8mm min. terminal width, 4mm max. terminal width, 5.9mm max. terminal width, 3.2mm min. terminal width. It also shows a side view with dimensions: 18mm total width, 14.5mm terminal pitch, 25mm terminal pitch, 4.4mm max. terminal width, 5.5mm min. terminal width, 7.9mm max. terminal width, 4.8mm min. terminal width, 4mm max. terminal width, 5.9mm max. terminal width, 3.2mm min. terminal width. The terminal arrangement is shown as a top view with 5 terminals.</p>	 <p>Technical drawing of the 2 Poles socket with fingersafe. It shows a top view with dimensions: 17.2mm total width, 6mm terminal width, 4.2mm terminal pitch, 64mm total height, 16mm terminal width, 20mm terminal pitch, 1.6mm terminal thickness, 46mm total height, 18.2mm terminal width, 29mm terminal pitch, 4.4mm max. terminal width, 5.5mm min. terminal width, 7.9mm max. terminal width, 4.8mm min. terminal width, 4mm max. terminal width, 5.9mm max. terminal width, 3.2mm min. terminal width. It also shows a side view with dimensions: 18mm total width, 14.5mm terminal pitch, 25mm terminal pitch, 4.4mm max. terminal width, 5.5mm min. terminal width, 7.9mm max. terminal width, 4.8mm min. terminal width, 4mm max. terminal width, 5.9mm max. terminal width, 3.2mm min. terminal width. The terminal arrangement is shown as a top view with 8 terminals.</p>

DIN Rail Mounting

2 Pole

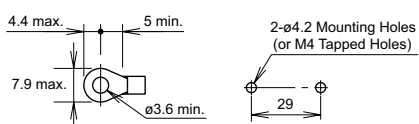
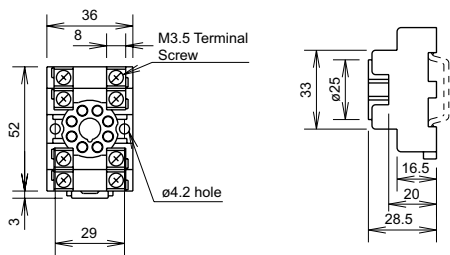


3 Poles

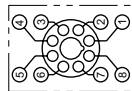


Model No.	73.12.00	Model No.	73.13.00
Style	8-pin octal, snap/surface mount	Style	11-pin octal, snap/surface mount
Rated Insulation Voltage	300V AC/DC	Rated Insulation Voltage	300V AC/DC
Rated Current	10A	Rated Current	10A
Insulation Resistance	100 MΩ minimum	Insulation Resistance	100 MΩ minimum
Applicable Wire	1.25 mm ² (2 mm ² maximum)	Applicable Wire	1.25 mm ² (2 mm ² maximum)
Screw Terminal	M3 Slotted Phillips	Screw Terminal	M3 Slotted Phillips
Screw Tightening Torque	0.6 to 1.0 N.m	Screw Tightening Torque	0.6 to 1.0 N.m
Dielectric Strength	2000V AC, 1 minute	Dielectric Strength	2000V AC, 1 minute
Operating Temperature	-60 to +75°C (no freezing)	Operating Temperature	-60 to +75°C (no freezing)
Degree of Protection	IP 20 (Fingersafe)	Degree of Protection	IP 20 (Fingersafe)
Weight (approx.)	56g	Weight (approx.)	60g
Applicable Relay	23.12 & 23.32	Applicable Relay	23.13 & 23.33

Dimensions

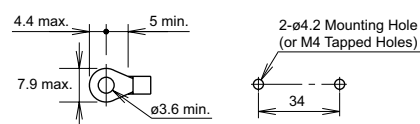
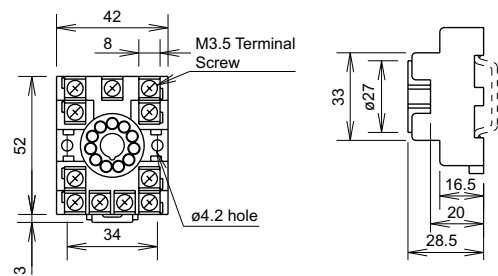


Terminal Arrangement

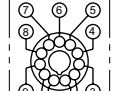


(Top View)

Dimensions

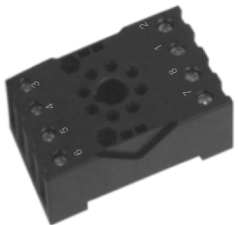



Terminal Arrangement

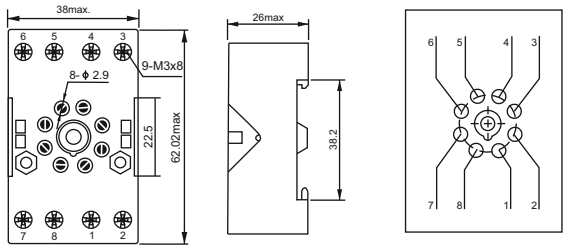
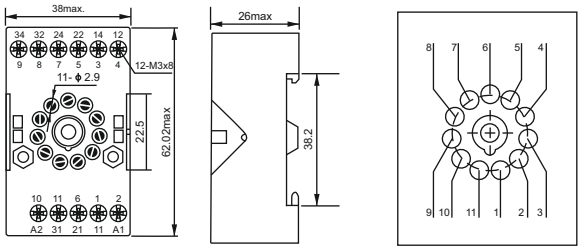


(Top View)

DIN Rail Mounting

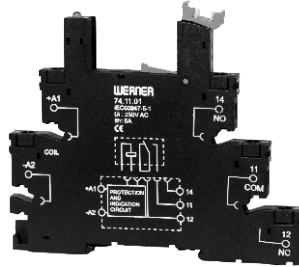
2 Pole	3 Poles
	

Model No.	73.12.01	Model No.	73.13.01
Style	8-pin	Style	11-pin
Rated Insulation Voltage	300V AC/DC	Rated Insulation Voltage	300V AC/DC
Rated Current	10A	Rated Current	10A
Insulation Resistance	100 MΩ minimum	Insulation Resistance	100 MΩ minimum
Applicable Wire	1.25 mm ² (2 mm ² maximum)	Applicable Wire	1.25 mm ² (2 mm ² maximum)
Screw Terminal	M3 Slotted Phillips	Screw Terminal	M3 Slotted Phillips
Screw Tightening Torque	0.6 to 1.0 N.m	Screw Tightening Torque	0.6 to 1.0 N.m
Dielectric Strength	2000V AC, 1 minute	Dielectric Strength	2000V AC, 1 minute
Operating Temperature	-60 to +75°C (no freezing)	Operating Temperature	-60 to +75°C (no freezing)
Degree of Protection	IP 20 (Fingersafe)	Degree of Protection	IP 20 (Fingersafe)
Weight (approx.)	50g	Weight (approx.)	58g
Applicable Relay	23.12 & 23.32	Applicable Relay	23.13 & 23.33

Dimensions	Dimensions
	

DIN Rail Mounting

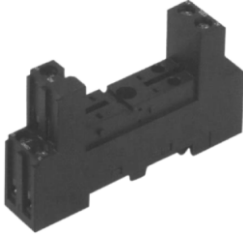

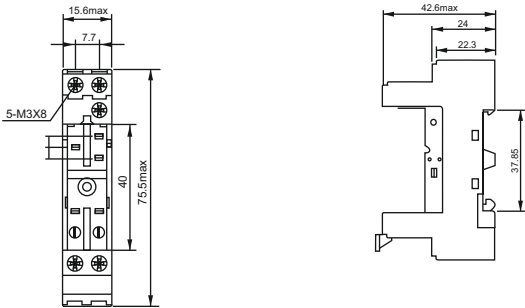
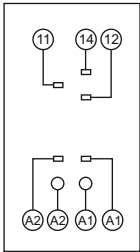
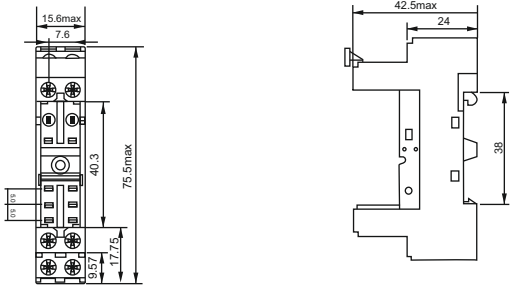
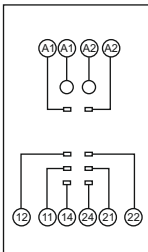
1 Pole



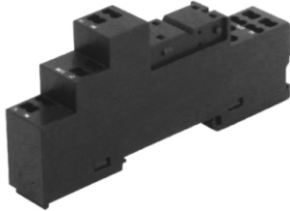
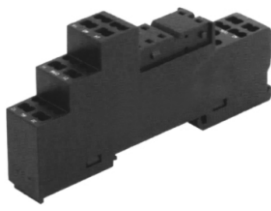
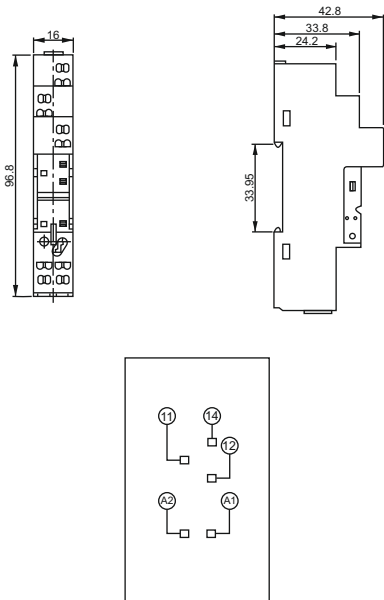
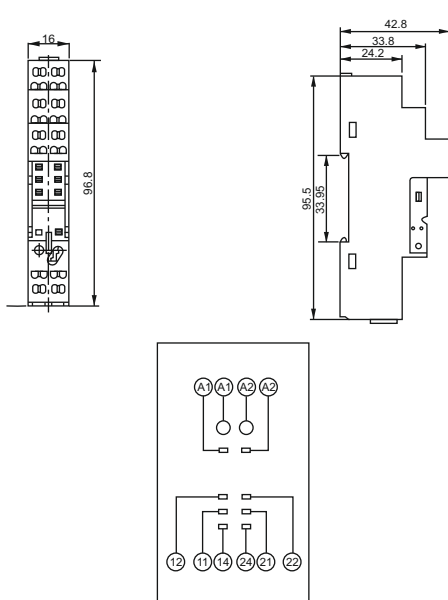
Model No.	74.11.01	74.11.02
Style	5-pin	
Rated Insulation Voltage	250V AC/DC	
Rated Current	10A	
Insulation Resistance	100 MΩ minimum	
Applicable Wire	1.25 mm ² (2 mm ² maximum)	
Screw Terminal	M3 Slotted Phillips	With Spring Clamp
Screw Tightening Torque	0.6 to 1.0 N.m	
Dielectric Strength	2000V AC, 1 minute	
Operating Temperature	-60 to +75°C (no freezing)	
Degree of Protection	IP 40	
Weight (approx.)	11g	
Applicable Relay	24.10 & 24.11	

Dimensions	Dimensions

DIN Rail Mounting

1 Pole		2 Poles	
			
Model No.	75.11.01	Model No.	75.12.01
Style	5-pin, snap/surface mount	Style	8-pin, snap/surface mount
Rated Insulation Voltage	300V AC/DC	Rated Insulation Voltage	300V AC/DC
Rated Current	12A	Rated Current	8A
Insulation Resistance	100 MΩ minimum	Insulation Resistance	100 MΩ minimum
Applicable Wire	1.25 mm ² (2 mm ² maximum)	Applicable Wire	1.25 mm ² (2 mm ² maximum)
Screw Terminal	M3 Slotted Phillips	Screw Terminal	M3 Slotted Phillips
Screw Tightening Torque	0.6 to 1.0 N.m	Screw Tightening Torque	0.6 to 1.0 N.m
Dielectric Strength	2000V AC, 1 minute	Dielectric Strength	2000V AC, 1 minute
Operating Temperature	-60 to +75°C (no freezing)	Operating Temperature	-60 to +75°C (no freezing)
Degree of Protection	IP 40	Degree of Protection	IP 40
Weight (approx.)	40g	Weight (approx.)	45g
Applicable Relay	25.1	Applicable Relay	25.2
Dimensions		Dimensions	
 		 	



DIN Rail Mounting

1 Pole		2 Poles	
			
Model No.	75.11.05	Model No.	75.12.05
Style	5-pin, snap/surface mount	Style	8-pin, snap/surface mount
Rated Insulation Voltage	250V AC/DC	Rated Insulation Voltage	250V AC/DC
Rated Current	12A	Rated Current	10A
Insulation Resistance	100 MΩ minimum	Insulation Resistance	100 MΩ minimum
Applicable Wire	1.25 mm ² (2 mm ² maximum)	Applicable Wire	1.25 mm ² (2 mm ² maximum)
Terminal	Screw Clamp	Terminal	Screw Clamp
Screw Tightening Torque	0.6 to 1.0 N.m	Screw Tightening Torque	0.6 to 1.0 N.m
Dielectric Strength	2000V AC, 1 minute	Dielectric Strength	2000V AC, 1 minute
Operating Temperature	-60 to +75°C (no freezing)	Operating Temperature	-60 to +75°C (no freezing)
Degree of Protection	IP 20 (Fingersafe)	Degree of Protection	IP 20 (Fingersafe)
Weight (approx.)	35g	Weight (approx.)	38g
Applicable Relay	25.21	Applicable Relay	25.22
Dimensions		Dimensions	
			

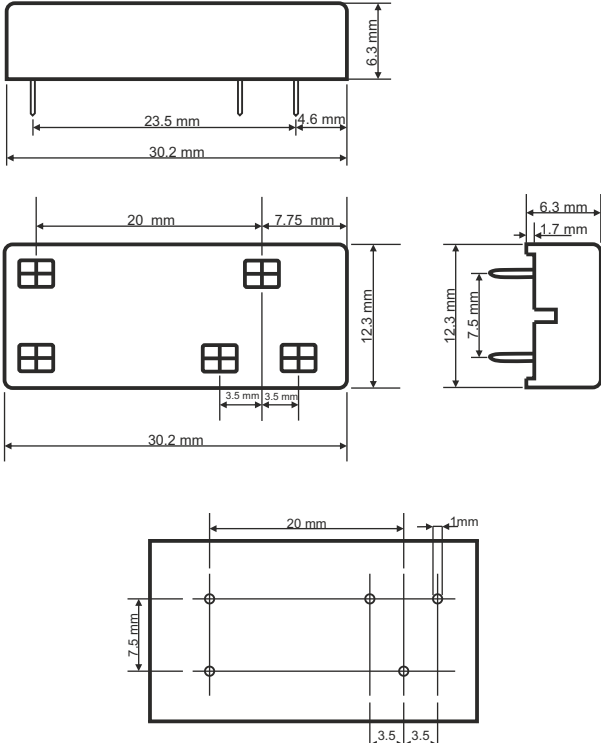
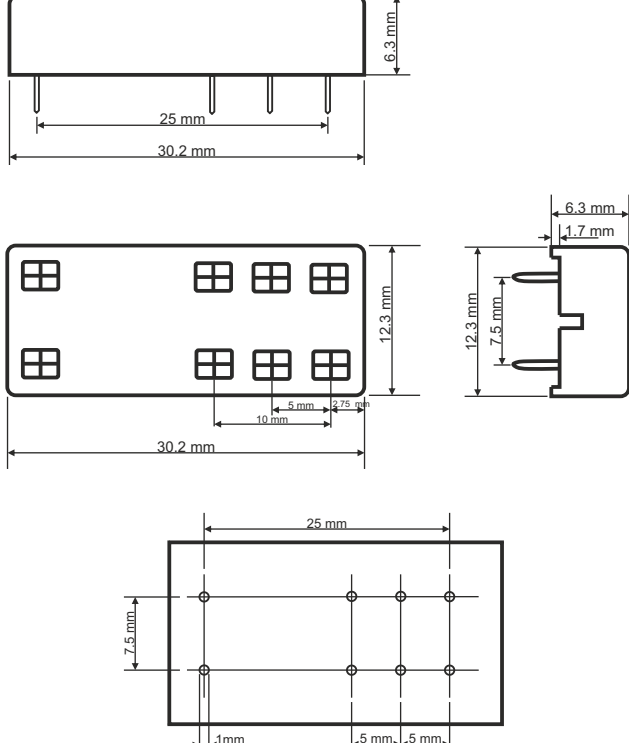
70-75 Series Sockets

WERNER

PC Board Mounting Sockets

1 Pole	2 Poles
	

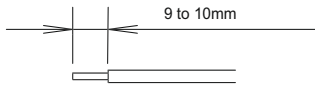
Model No.	SK-G2R1	Model No.	SK-G2R2
Style	5-pin, snap/surface mount	Style	8-pin, snap/surface mount
Terminal	Solder	Terminal	Solder
Rated Current	12A	Rated Current	8A
Rated Voltage	250V AC/DC	Rated Voltage	250V AC/DC
Insulation Resistance	100 MΩ minimum	Insulation Resistance	100 MΩ minimum
Shock Resistance	Damage limits: 90m/s ²	Shock Resistance	Damage limits: 90m/s ²
Operating Temperature	-40 to +70°C (no freezing)	Operating Temperature	-40 to +70°C (no freezing)
Operating Humidity	5 to 85% Rh (No condensation)	Operating Humidity	5 to 85% Rh (No condensation)
Weight (approx.)	2g	Weight (approx.)	2.5g
Dielectric Strength	b/w coil & contact 5000V, 1 minute b/w terminals of the same pole: 1000V, 1 minute	Dielectric Strength	b/w coil & contact 5000V, 1 minute b/w terminals of the same pole: 1000V, 1 minute

Dimensions	Dimensions
	

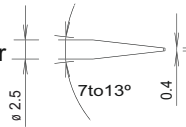
Precautions

Applicable Wires

1. Strip the wire insulation 9 to 10mm from the end.
2. Two cable ports are provided for each terminal.



3. For wiring, use the M2.5 screwdriver

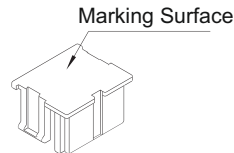


Wire	Size
Stranded Wire	0.2 to 1.25 mm ² or AWG24 to 16
Solid Wire	0.2 to 1.5 mm ² or AWG24 to 16
Wire Insulation diameter	ø3.15mm maximum

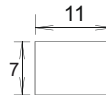
Marking Instructions

Write markings on the 71 series sockets using an oil-based marker on the marking surface.

Marking Plate

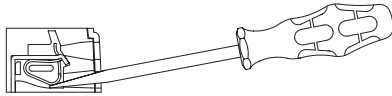


Dimensions



Wiring Instructions

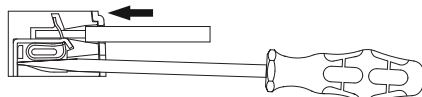
1. Insert an applicable screwdriver into the square shaped port until the screwdriver tip touches the bottom of the spring, as shown below.



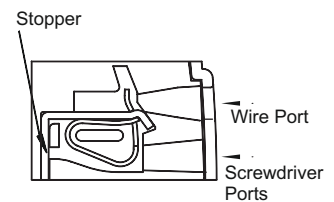
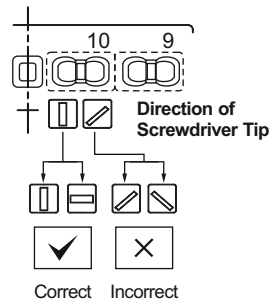
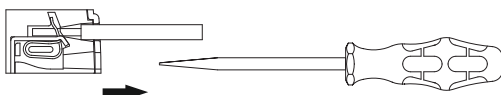
2. The wire port is now open and the screwdriver is auto-held in place. You can release your hand for comfort.



3. Insert the wire into the round-shaped wire port. Which can accommodate only one wire for each port. In case of connecting two wires to one terminal, use the adjoining port of the same terminal.

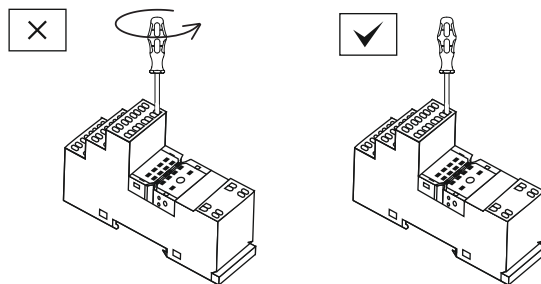


4. Pull out the screwdriver to complete the process.

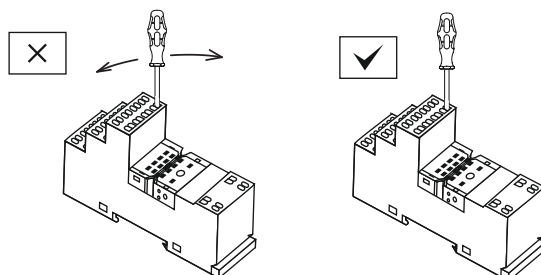


Precautions

1. Do not rotate the Screwdriver while inserting into the port



2. Do not bend the screwdriver toward left or right after inserting the screwdriver into the port,



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WERNER

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