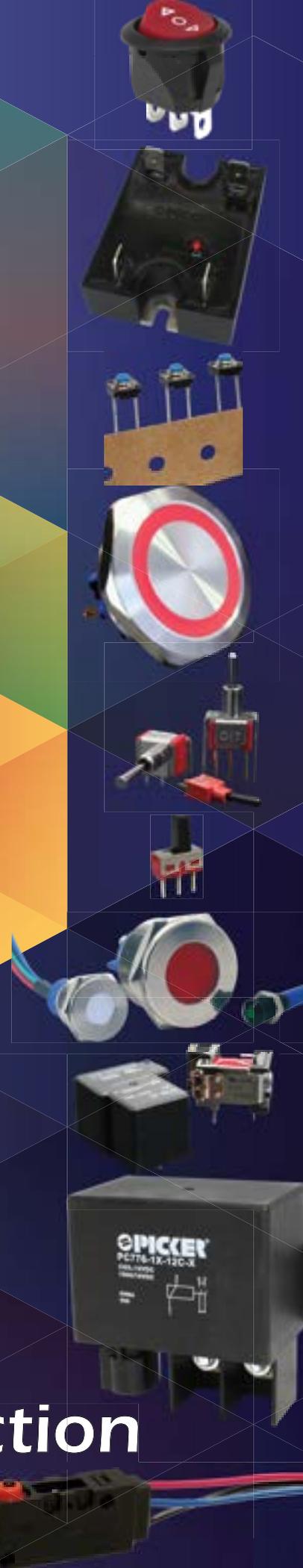


ELECTRO-MECHANICAL SWITCHES | UL APPROVED RELAYS | AUTOMOTIVE RELAYS | SOLID STATE RELAYS

CIT[®]

Relay & Switch



Making the Connection

CIT Relay & Switch validation test lab

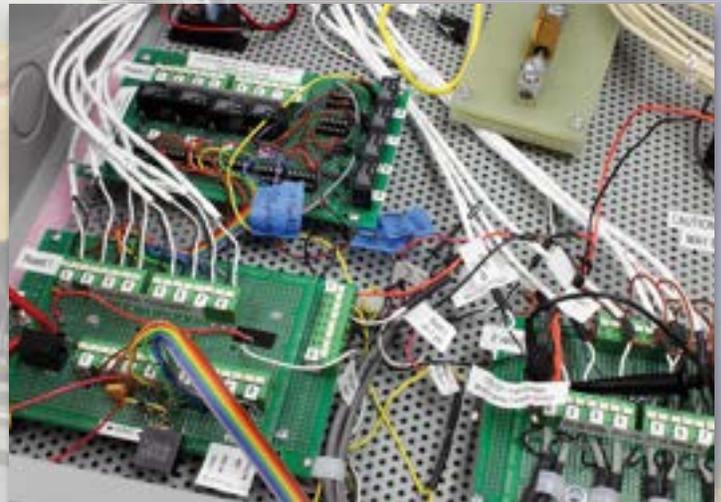
CIT Relay & Switch, located in greater Minneapolis, MN, is a designer and manufacturer of quality electromechanical relays, solid state relays and electromechanical switches. CIT focuses on customer service and quality; we strive for cost effective manufacturing, making CIT your best option.

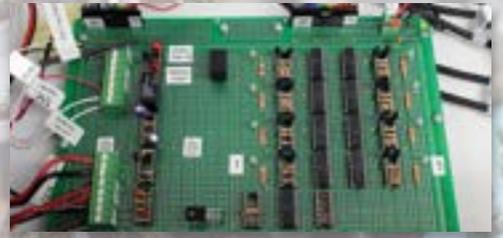
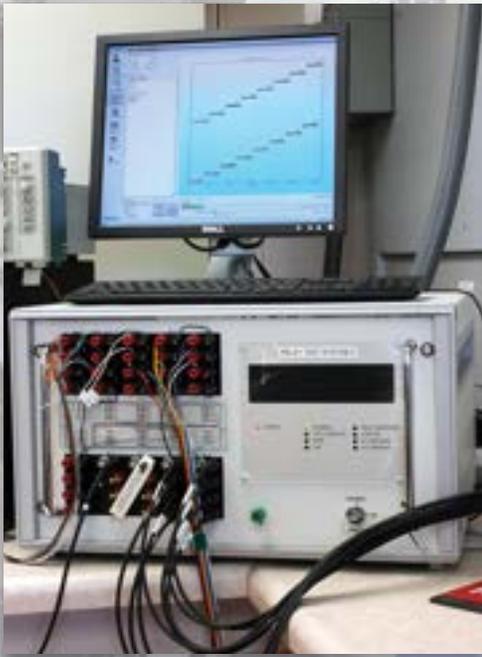
CIT Relay & Switch has a specialized test lab for new design, validation product testing, IQC, failure analysis and material testing. We help customers solve their toughest problems by providing comprehensive technical expertise from our state-of-the-art lab. Providing accurate, concise solutions, we give our customers the best explanation why their components perform they way they do.

The CIT IQC Test Lab, in coordination with the CIT Technology Lab, ensures documented reliability. Incoming products are tested for x-ray plating verification of contact material, resistance, dielectric strength, solderability and other parameters. Also, CIT maintains warehousing in Hong Kong and Minnesota to meet on-time delivery and freight cost concerns.

CIT Technical Engineering support is readily available. Application support is moments away. Technical expertise on plastics, metallurgy, contact material recommendations, in-rush protection, molding, process application issues and many more questions can be asked and answered by email or phone. We are here to help!

Please contact CIT today to validate product suitability for your application with real-time testing backed with data. Email us at testlab@citrelay.com or 763.535.2339.





Featured Product

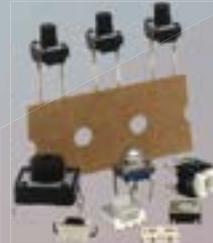
Featured Switches



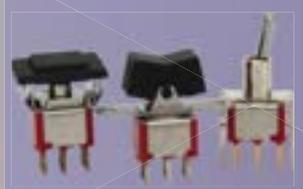
DH Series Anti-Vandal
IP67 | 22mm, 25mm, or 30mm



Snap-Action
DM3 | SM3 | VM3 | IP67 VM3S



Tactile
SMT | Thru-Hole



Pushbutton Rocker Toggle
Standard | Sealed | Sub-Mini

Featured UL Approved Relays



J102 Series
PC Pin | 1A, 1B, 1C

J115F 50 amp
J115F1 | J115F2 | J115F3

J116F Series
Small footprint | 50 amp Ice Cube | PC Pin or Solder Lug

J151 Series



PC740 Series
40 amp | up to 240VAC/110VDC

Featured UL Approved Latching Relays



L115F Series
Latching | up to 48VDC | UL/TÜV certified

PC10L Series
50 amp | Single or Dual Coil

PC302 Series
1 amp | Micro Miniature



PCT90 & PCT91 Series
up to 50 amp | Footprint Options

Featured Automotive Relays



A2K & A3K Series
Blowout Magnet

A2H Series
50 amp | PCB or QC

A6 Series
30 amp | Small & Light

PC775 Series
75 amp | Screw Terminal

PC776 Series
130 amp | Heavy Duty

Featured Solid State Relays



PCS4Series Solid State
2 amp | DC Input AC Output

PCS24Series Solid State
60 amp | DC Input | Three Phase

PCS34 Series Solid State
AC or DC Input | Solid State

PCS53 Series
AC or DC Input | Compact

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switches

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NEW! indicators

CITRelay.com



CIT[®]
Relay & Switch

The home of

EPICKER[®]
COMPONENTS

your premier source for solid state relays,
electromechanical relays and switches

Series	AH	AHB	AHU
			
Features	Illuminated Anti-Vandal Switch <ul style="list-style-type: none"> • Vandal Proof, IP67 • Center Dot or Ring Illumination • 19mm, Panel Mount 	Illuminated Anti-Vandal Switch <ul style="list-style-type: none"> • Vandal Proof, IP67 • Center Dot or Ring Illumination • Bi-Color LED • 19mm, Panel Mount 	Illuminated Anti-Vandal Switch <ul style="list-style-type: none"> • UL/cUL Approved • Vandal Proof, IP67 • Center Dot or Ring Illumination • 19mm, Panel Mount 
Poles	SPST N.C. & N.O.	SPDT & DPDT	SPDT & DPDT
Function	Momentary	Latching & Momentary	Latching & Momentary
Contact Rating	up to 1A	up to 3A	up to 3A
Approvals			UL Approved

Series	BH	CH	DH
			
Features	Illuminated Anti-Vandal Switch <ul style="list-style-type: none"> • Vandal Proof, IP67 • Center Dot or Ring Illumination • Flush or Raised Actuator • 16mm or 19mm, Panel Mount 	Illuminated Anti-Vandal Switch <ul style="list-style-type: none"> • Vandal Proof, IP67 • Center Dot or Ring Illumination • 16mm, Panel Mount 	Illuminated Anti-Vandal Switch <ul style="list-style-type: none"> • Vandal Proof, IP67 • Center Dot or Ring Illumination • 22mm, 25mm, or 30mm • Panel Mount
Poles	SPST	SPDT & DPDT	SPST N.O. & N.C.; DPST N.O. & N.C.
Function	Momentary	Latching & Momentary	Latching & Momentary
Contact Rating	up to 2A	up to 1A	up to 2A
Approvals			

Series	DH40	DH22U	DHU
			
Features	Illuminated Anti-Vandal Switch <ul style="list-style-type: none"> • Vandal Proof, IP67 • Raised or Flush Actuator • Optional Ring Illumination • 40mm, Panel Mount 	Illuminated Anti-Vandal Switch <ul style="list-style-type: none"> • UL/cUL Approved • Vandal Proof, IP67 • Optional Ring Illumination • 22mm, Panel Mount 	Illuminated Anti-Vandal Switch <ul style="list-style-type: none"> • UL/cUL Approved • Center Dot or Ring Illumination • 25, 28 or 30mm, Panel Mount 
Poles	SPST NO+SPST NC; DPST NO+DPST NC	SPDT & DPDT	SPST & SPDT
Function	Latching & Momentary	Latching & Momentary	Latching & Momentary
Contact Rating	up to 2A	up to 3A	up to 16A
Approvals		UL Approved	UL Approved

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

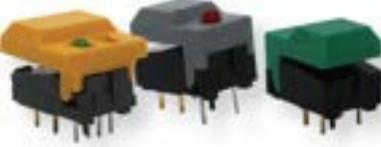
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EH	FH	GH
		
Anti-Vandal Switch • Illuminated Option • Small Size • IP67 Sealing Degree • 12mm, Panel Mount	Illuminated Anti-Vandal Switch • Vandal Proof, IP67 • Bi-Color LED Option • Center Dot or Ring Illumination • 12mm, Panel Mount	Illuminated Anti-Vandal Switch • Vandal Proof, IP67 • Non-Illuminated or Ring Illumination • Raised Actuator • 10mm, Panel Mount
SPST N.O.	SPST	SPST
Momentary	Momentary	Latching & Momentary
up to 2A	up to 2A	up to 2A

TH	AS	ES
		
Capacitive Touch Anti-Vandal Switch • Vandal Proof, IP68 • Bi-Color LED Option • 16mm, 19mm, 22mm or 25mm • 300mm Wire	Illuminated Indexing Switch • 45° & 90° Options • Bi-Color LED Option • IP67 Sealing Standard • 2 & 3 Position Available	Illuminated Pushbutton Switch • Bi-Color LED Option • Matte Finish • Round or Flat Actuator • IP67 Sealed Standard
SPDT & DPDT	SPDT & DPDT	SPST N.O. & SPST N.C.
Latching, Momentary & 30 Second Hold	Indexing	Latching & Momentary
up to 15mA	up to 1A	up to 125mA

AD	BT	DG
		
Illuminated Pushbutton Switch • 2 Function Options • Multiple Actuator Options • Multiple LED Color Options • Multiple Cap and Diffuser Options	Illuminated Pushbutton Switch • Bi-Color LED Option • Multiple Caps with Laser Etching Option • 4 Frame Options	Illuminated Pushbutton Switch • Panel Mount • Bi-Color LED Option • Gold Contacts
SPST N.O.	DPDT	SPST
Momentary	Latching & Momentary	Momentary
up to 100mA	up to 100mA	up to .4VA

Series	JC	JH	MH
			
Features	Illuminated Pushbutton Switch <ul style="list-style-type: none"> • Dual LED Option • 5 Color Options • Multiple Cap Options, Laser Etching • Panel Mount & PCB 	Illuminated Pushbutton Switch <ul style="list-style-type: none"> • Dual LED Option • 3 LED Color Options • 6 Cap Styles with 9 Color Options 	Illuminated Pushbutton Switch <ul style="list-style-type: none"> • Right Angle • Bi-Color LED Option • Available with or without Cap • Over-Travel & Positive Feel
Poles	SPDT & DPDT	SPDT	SPDT
Function	Latching & Momentary	Momentary	Momentary
Contact Rating	up to 500mA	up to 50mA	up to 100mA
Approvals			

Series	RT	DSA	JA
			
Features	Illuminated Pushbutton Switch <ul style="list-style-type: none"> • Miniature Size • Bi-Color LED Option • Multiple Cap Styles 	Double Action Key Switch <ul style="list-style-type: none"> • Single Action Available • Small Compact Design • Large Actuator Surface 	Illuminated Tactile Switch <ul style="list-style-type: none"> • Bi-Color LED Option • Multiple Lens Colors • 2 Actuation Force Options
Poles	SPST	SPST N.O. & SPDT	SPST
Function	Momentary	Momentary Double Action	Momentary
Contact Rating	up to 100mA	up to 30mA	up to 50mA
Approvals			

Series	NC	SH	CITR2
			
Features	Miniature Pushbutton Switch <ul style="list-style-type: none"> • Positive Snap Feel • 6 Cover Styles • 9 Cover Colors • Multiple Cap Styles 	Miniature Pushbutton Switch <ul style="list-style-type: none"> • Illuminated Option with Laser Etching Available • Bi-Color LED Option • Multiple Cap Styles 	Circuit Breaker Switch <ul style="list-style-type: none"> • 2 ~ 20 Amp • Illuminated • UL/cUL Approved 
Poles	SPST	SPST	SPST
Function	Momentary	Momentary	On-Off Circuit Breaker
Contact Rating	up to 25mA	up to 50mA	up to 20A
Approvals			UL Approved

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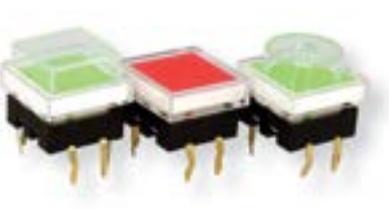
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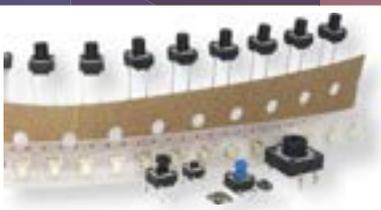
Dimensions shown in mm. Dimensions are shown for reference purposes only.

RA	RC	RR
		
Illuminated Rocker Switch <ul style="list-style-type: none"> • Multi-Function & Illuminated • Numerous Actuator Markings • Right & Left Angle Style Option • UL/cUL Approved 	Illuminated Rocker Switch <ul style="list-style-type: none"> • Illuminated • Numerous Actuator Markings • Right & Left Angle Style Option • UL/cUL Approved 	Round Rocker Switch <ul style="list-style-type: none"> • LED, Neon or Tungsten Lamp Illumination • Multiple Printing Styles & Colors • UL/cUL Approved 
SPST & SPDT	SPST & DPST	SPST & SPDT
Multiple	On - Off	Multiple
up to 15A	up to 12A	up to 15A
UL Approved	UL Approved	UL Approved

RW	RL	RN
		
Wide Rocker Switch <ul style="list-style-type: none"> • Neon or Tungsten Lamp Illumination • Multiple Printing Styles • Multiple Color Options • UL/cUL Approved 	Miniature Rocker Switch <ul style="list-style-type: none"> • Two Housing Color Options • Multiple Printing Styles • Multiple Color Options • UL/cUL Approved 	Illuminated Miniature Rocker Switch <ul style="list-style-type: none"> • Housing Color Options • Multiple Switch Functions • Multiple Illumination Options • UL/cUL Approved 
SPDT & DPDT	SPST	SPDT ~ 4PDT
Multiple	Multiple	Multiple
up to 20A	up to 12A	up to 20A
UL Approved	UL Approved	UL Approved

CL1200	CW	JS
		
Illuminated Tactile Switch <ul style="list-style-type: none"> • Bi-Color LED Option • Multiple Cap Styles with 5 Colors • SMT & Right Angle Available 	Illuminated Tactile Switch <ul style="list-style-type: none"> • SMT or Thru-Hole • Dual Color LED Option • Right Angle Available 	Illuminated Tactile Switch <ul style="list-style-type: none"> • 12mm x 12mm • 4 LED Color Choices • 7 Cap Styles
SPST	SPST	SPST
Momentary	Momentary	Momentary
up to 50mA	up to 50mA	up to 50mA

Series	NL	TJ	ME
			
Features	Illuminated Tactile Switch <ul style="list-style-type: none"> • Ultra Sub-Miniature • Surface Mount • Dual LED • 2 Cap Options 	Illuminated Tactile Switch <ul style="list-style-type: none"> • Process Sealed • SMD & Through-Hole • Vertical & Right Angle • Navigation Switch Configuration 	SMT or Thru-Hole Tactile Switch <ul style="list-style-type: none"> • 8 Actuator Length Options • Solid One Piece Integrated Cap • 10,000,000 Cycles • Process Sealed
Poles	SPST	SPST N.O.	SPST
Function	Momentary	Momentary	Momentary
Contact Rating	up to 50mA	up to 50mA	up to 50mA
Approvals			

Series	CR, CT & CS	ST	MB
			
Features	Thru-Hole or SMT Tactile Switch <ul style="list-style-type: none"> • Ammo Pack • Multiple Actuator Lengths • Multiple Actuation Forces • Vertical & Right Angle 	SMT or Thru-Hole Tactile Switch <ul style="list-style-type: none"> • Dust Proof • Multiple Actuator Lengths • Multiple Actuation Forces • Right Angle Available 	Miniature SMT Pushbutton Switch <ul style="list-style-type: none"> • 300gF or 500gF Actuation Force • 2.7mm Actuation Travel
Poles	SPST	SPST	SPST
Function	Momentary	Momentary	Latching & Momentary
Contact Rating	up to 50mA	up to 50mA	up to 50mA
Approvals			

Series	K	RD07 & RD10	DM3, SM3, VM3, VM3S
			
Features	DIP Switch <ul style="list-style-type: none"> • Full & Low Profile Styles • Standard, Half Pitch, Piano & Right Angle • Thru Hole & Surface Mount 	Coded Rotary DIP Switch <ul style="list-style-type: none"> • 7 or 10mm • IP67 Process Sealed • Multiple Actuator & Position Options • Straight or Gull Wing Terminations 	Mini, Sub-Mini & Ultra Sub-Mini <ul style="list-style-type: none"> • Multiple Force Options • Multiple Lever Options • Multiple Terminal Options • Latching Option 
Poles	SPST ~ 12PST	4 to 16 positions	SPST N.C. & N.O., SPDT
Function	On-Off	Multiple	Latching & Momentary
Contact Rating	up to 25mA	up to 50A	up to 16A
Approvals			UL Approved

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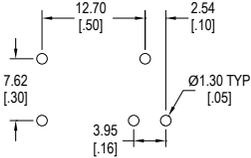
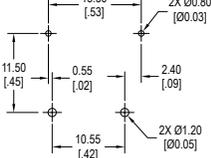
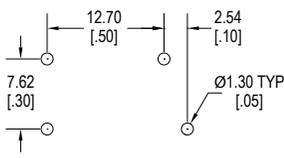
LP	DS & LPH	DL, MP & RPH
		
Miniature Pushbutton Switch <ul style="list-style-type: none"> • Numerous Cap Styles • PC Terminal or Snap-In PC • 2 ~ 4 Pole 	Illuminated Pushbutton Switch <ul style="list-style-type: none"> • PC Mount • Bi-Color LED Option • Available with or without Cap • Laser Etching Option 	Horizontal Pushbutton Switch <ul style="list-style-type: none"> • Piggyback Style Available • Multiple Cap Styles • 2 ~ 10 Poles • Interlocked/Ganged Option
DPDT & 4PDT	SPST N.O. ~ 4PDT.	SPDT ~ 10PDT
Latching & Momentary	Latching & Momentary	Latching & Momentary
up to 100mA	up to 300mA	up to 500mA

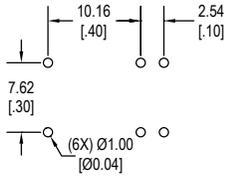
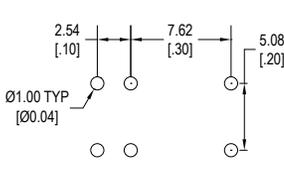
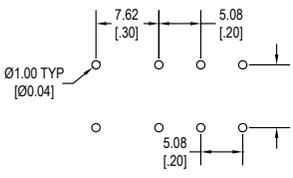
1000, MS, SMS	ANP, ASP, BNP, BSP	ANR, ASR, BNR, BSR
		
Mini, Sub-Mini & Ultra Sub-Mini <ul style="list-style-type: none"> • Standard & Right Angle • IP67 Process Sealed Version • Thru Hole, Surface Mount & Panel • Steel & Nylon Housings 	Mini & Sub-Mini Pushbutton Switch <ul style="list-style-type: none"> • Non-Sealed & Sealed Types • Wide Variety of Terminals • Panel Mount, Thru-Hole & PCB • Gold Contacts Available 	Mini & Sub-Mini Rocker Switch <ul style="list-style-type: none"> • Non-Sealed & Sealed Types • Wide Variety of Terminals • Panel Mount, Thru-Hole & PCB • Gold Contacts Available
SPDT ~ 4P3T	SPST, SPDT, DPDT	SPDT ~ 4PDT
Multiple	Latching & Momentary	Multiple
up to 5A	up to 3A	up to 5A
UL Approved	UL Approved	UL Approved

ANT, AST, BNT, BST	CSP, CSR, CST	SSP & SST
		
Mini & Sub-Mini Toggle Switch <ul style="list-style-type: none"> • Non-Sealed & Sealed Types • Panel Mount, Thru-Hole & PCB • Wide Variety of Terminals • Gold Contacts Available 	Sealed Ultra Sub-Miniature <ul style="list-style-type: none"> • Pushbutton, Rocker or Toggle • IP67 Process Sealed • PC Pin, Horizontal or Vertical • Gold Plated Contacts 	Sub-Miniature Surface Mount Switch <ul style="list-style-type: none"> • Pushbutton or Toggle • Silver or Gold Plated Contacts • Process Sealed • Surface Mount
SPDT ~ 4PDT	SPST, SPDT, DPST, DPDT	SPST & SPDT
Multiple	Momentary	Multiple
up to 3A or up to 5A	0.4mA	up to 3A
UL Approved		UL Approved

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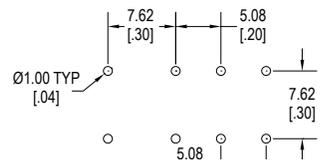
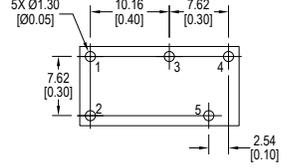
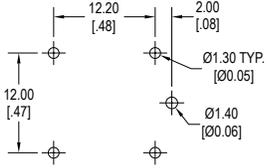
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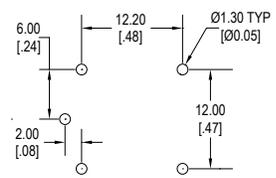
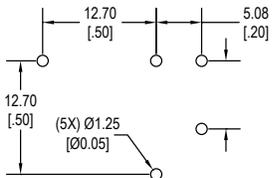
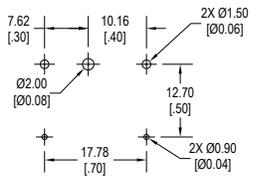
Series	J097	J099	J100
			
Features	<ul style="list-style-type: none"> Switching Capacity up to 10A Low Coil Power Consumption UL Approval : E197851 	<ul style="list-style-type: none"> High Sensivity Switching Current up to 12A UL Approval : E198751 	<ul style="list-style-type: none"> Switching Capacity up to 10A Low Coil Power Consumption UL Approval : E197851 
Dimensions (LxWxH mm)	18.0 x 10.0 x 15.3	18.4 x 15.0 x 10.3	18.3 x 10.3 x 15.5
Contact Arrangement	1C	1A	1A
Contact Ratings	10A @ 120VAC Resistive, 10K cycles 10A @ 277VAC Resistive, 10K cycles 5A @ 240VAC Resistive, 10K cycles 3A @ 120VAC Resistive, 10K cycles TV-5 @ 120VAC 25K cycles 1/4hp @ 120/240/277VAC 6K cycles	10A @ 277VAC General Purpose, 100K cycles 10A @ 30VDC General Purpose, 100K cycles 12A @ 125VAC Resistive, 100K cycles	10A @ 120VAC Resistive, 10K cycles 10A @ 277VAC Resistive, 10K cycles 5A @ 240VAC Resistive, 10K cycles 3A @ 30VDC Resistive, 10K cycles TV-5 @ 120VAC 25K cycles 1/4hp @ 120/240/277VAC 6K cycles
Coil Voltage Options	3 ~ 48VDC	5VDC, 12VDC, 24VDC	3 ~ 48VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 85°C	-40°C to 85°C	-55°C to 125°C
PC Board Layout			

Series	J102	J103	J104A, B, C
			
Features	<ul style="list-style-type: none"> High Sensitivity & Super Light Weight Ideal for High Density Mounting UL Approval : E197851 	<ul style="list-style-type: none"> Low Coil Power Consumption Conforms to FCC Part 68 UL Approval : E197851 	<ul style="list-style-type: none"> Bifurcated Contacts, High Reliability Conforms to FCC Part 68 UL Approval : E197851 
Dimensions (LxWxH mm)	15.5 x 10.5 x 11.25	12.5 x 7.5 x 10.0	20.0 x 9.8 x 10.8
Contact Arrangement	1A, 1B, 1C	1C	2C
Contact Ratings	AgNi 3A & 5A @ 125VAC General Purpose 3A & 5A @ 30VDC Resistive Ag 1A & 3A @ 125VAC General Purpose 1A & 3A @ 30VDC Resistive Pilot Duty 270VA, 120VAC	2A @ 120VAC Resistive 2A @ 24VDC Resistive	2A @ 30VDC Resistive 3A @ 30VDC NO Resistive .6A @ 125VAC Resistive
Coil Voltage Options	3 ~ 24VDC	3 ~ 24VDC	3 ~ 48VDC
Electrical Life	100K cycles	100K cycles	500K cycles
Operating Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
PC Board Layout			

Dimensions shown in mm. Dimensions are shown for reference purposes only.

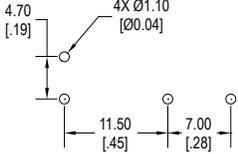
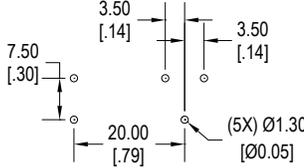
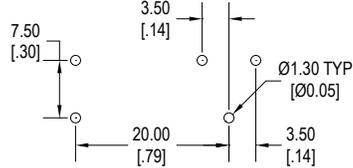
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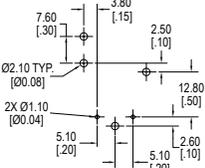
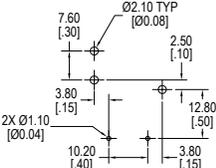
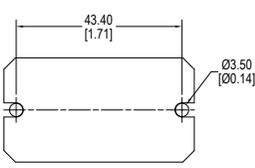
J104D	J105E	J107
		
<ul style="list-style-type: none"> • Clearance >1.2mm, Coil and Contacts • Creepage >1.9mm, Coil and Contacts • UL Approval : E197851  	<ul style="list-style-type: none"> • Switch Capacity up to 10A • Low Coil Power Consumption • UL Approval : E198751  	<ul style="list-style-type: none"> • 15A Switch Capacity • PC Board Mounting • UL Approval : E198751 
20.4 x 10.1 x 11.0	20.6 x 10.2 x 15.8	19.0 x 15.4 x 15.5
2C	1A, 1C	1A, 1C
2A @ 24VDC Resistive 1A @ 120VAC Resistive	NO : 10A @ 125VAC Resistive; 10A @ 120VAC Resistive 10A @ 277VAC Resistive; See Datasheet for additional Ratings NC : 10A @ 120VAC Resistive; 10A @ 125VAC Resistive; See Datasheet for additional Ratings	15A @ 125VAC General Purpose 10A @ 120VAC Resistive 7A @ 240VAC Resistive 7A @ 30VDC General Purpose 1/8hp, 125VAC/277VAC See Datasheet for additional Ratings
3 ~ 48VDC	3 ~ 24VDC	3 ~ 48VDC
100K cycles	100K cycles	100K cycles
-40°C to 85°C	-55°C to 125°C	-40°C to 125°C
		

J107F	J109F	J111
		
		
<ul style="list-style-type: none"> • F Class Insulation Standard • PC Board Mounting • UL Approval : E198751 & TÜV  	<ul style="list-style-type: none"> • F Class Insulation Standard • PC Board Mounting • UL Approval : E198751  	<ul style="list-style-type: none"> • Low Profile • PC Board Mounting • UL Approval : E198752 
19.0 x 15.5 x 15.3	22.3 x 17.3 x 14.5	22.2 x 16.5 x 10.9
1A, 1B, 1C	1A, 1B, 1C	1A, 1C
20A Contact 20A @ 16VDC / 125VAC GP 10A @ 250VAC GP 1/3hp @ 125VAC / 277VAC	10A Contact 6A @ 28VDC & 300VAC Resistive 10A @ 28VDC & 125VAC GP	1A @ 250VAC Resistive 1C @ 250VAC Resistive
15A Contact 15A @ 125VAC GP 6A @ 227VAC GP	12A Contact 12A @ 28VDC & 125VAC GP 1/3hp @ 120 VAC & 240VAC	
12A Contact 12A @ 125VAC / 28VDC GP		
3 ~ 48VDC	5 ~ 48VDC	5VDC, 12VDC, 24VDC
100K cycles	100K cycles	100K cycles
-55°C to 125°C	-55°C to 125°C	-40°C to 85°C
		

Specifications and availability subject to change without notice.

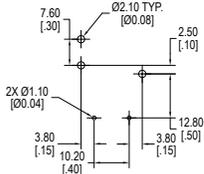
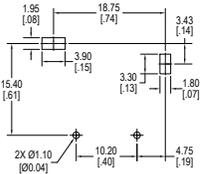
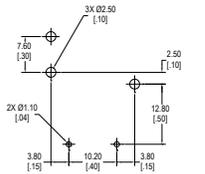
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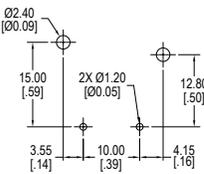
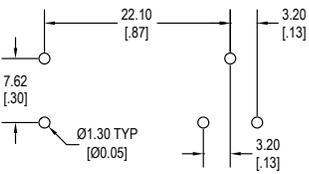
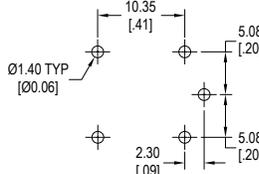
Series	J113	J114AF	J114FL & J114FLH
			
Features	<ul style="list-style-type: none"> Narrow Width: 7.1mm UL / cUL Certified UL Approval : E198751 	<ul style="list-style-type: none"> Switching Capacity up to 16A 20mm Height UL Approval : E198751 	<ul style="list-style-type: none"> Switching Capacity up to 16A & 20A Low Profile : 15.7mm UL Approval : E198751 
Dimensions (LxWxH mm)	20.5 x 7.1 x 15.2	29.0 x 12.7 x 20.0	29.2 x 13.2 x 15.7 29.0 x 12.7 x 16.0
Contact Arrangement	1A	1A, 1C, 2A, 2C	1A, 1C, 2A, 2C 1A, 1C
Contact Ratings	5A @ 277VAC Resistive, 100k cycles 5A @ 30VDC Resistive, 100k cycles	1A & 1C : 16A @ 250VAC, 30VDC Resistive, 70°C 1AH & 1CH : 16A @ 240VAC, 30VDC Resistive 2A & 2C : 8A @ 250VAC Resistive, 70°C 2A & 2C : 8A @ 30VDC Resistive, 70°C	12A @ 250VAC, 30VDC GP, 85°C 16A @ 250VAC, 30VDC GP, 85°C 8A @ 277VAC, 30VDC GP, 85°C NO : 20A @ 250VAC Resistive 50K cycles 105°C 16A @ 250VAC Resistive 100K cycles 105°C 1hp @ 120/240VAC 6K cycles 40°C NO : 16A @ 250VAC Resistive 100K cycles 105°C
Coil Voltage Options	5VDC, 12VDC, 18VDC, 24VDC	3 ~ 48VDC	5 ~ 48VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 85°C	-55°C to 105°C	-55°C to 105°C -40°C to 125°C
PC Board Layout			

Series	J115F1	J115F2	J115F3
			
Features	<ul style="list-style-type: none"> Heavy Contact Load Strong Shock & Vibration Resistance UL Approval : E198752 & TÜV 	<ul style="list-style-type: none"> Heavy Contact Load Strong Shock & Vibration Resistance UL Approval : E198752 & TÜV 	<ul style="list-style-type: none"> Heavy Contact Load Strong Shock & Vibration Resistance UL Approval : E198752 & TÜV 
Dimensions (LxWxH mm)	31.7 x 26.9 x 20.3	31.9 x 26.8 x 28.1	32.4 (50.0) x 26.8 x 28.1
Contact Arrangement	1A, 1B, 1C	1A, 1B, 1C	1A, 1B, 1C
Contact Ratings	NO : 40A @ 240VAC Resistive; 20A @ 240VAC Resistive 30A @ 277VAC GP; 25A @ 277VAC Resistive 5A @ 280VAC Ballast; 2hp @ 250VAC 1hp @ 125VAC, 50K cycles, 40°C NC : 30A @ 240VAC Resistive; 20A @ 240VAC GP; 20A @ 277VAC GP; 30A @ 30VDC Resistive; 5A @ 280VAC Ballast; 1 1/2hp @ 250VAC 1hp @ 125VAC, 50K cycles 40°C	NO : 40A @ 240VAC Resistive; 20A @ 240VAC Resistive 30A @ 277VAC General Purpose; 25A @ 277VAC Resistive; 5A @ 280VAC Ballast; 2hp @ 250VAC 1hp @ 125VAC, 50K cycles 40°C NC : 30A @ 240VAC Resistive; 20A @ 240VAC GP; 20A @ 277VAC GP; 30A @ 30VDC Resistive; 5A @ 280VAC Ballast; 1 1/2hp @ 250VAC 1hp @ 125VAC, 50K cycles 40°C	NO : 40A @ 240VAC Resistive; 20A @ 240VAC Resistive 30A @ 277VAC General Purpose; 25A @ 277VAC Resistive; 5A @ 280VAC Ballast; 2hp @ 250VAC 1hp @ 125VAC, 50K cycles 40°C NC : 30A @ 240VAC Resistive; 20A @ 240VAC GP; 20A @ 277VAC; 30A @ 30VDC Resistive; 5A @ 280VAC Ballast; 1 1/2hp @ 250VAC 1hp @ 125VAC, 50K cycles 40°C
Coil Voltage Options	5 ~ 110VDC & 12 ~ 277VAC	5 ~ 110VDC & 12 ~ 277VAC	5 ~ 110VDC & 12 ~ 277VAC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-55°C to 125°C	-55°C to 125°C	-55°C to 125°C
PC Board Layout			

Dimensions shown in mm. Dimensions are shown for reference purposes only.

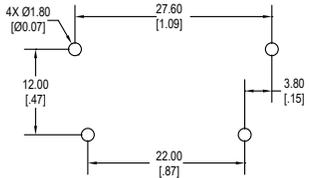
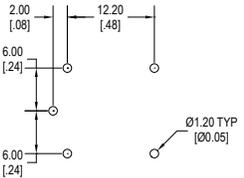
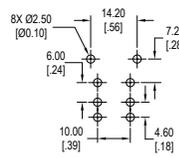
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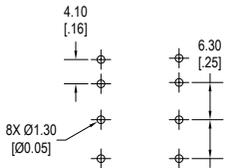
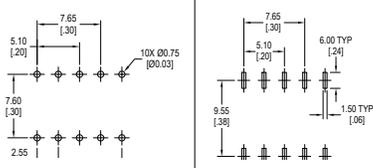
J115F_E	J115F1K	J115F_50 Amp
		
<ul style="list-style-type: none"> • 30A Economical Version • Low Coil Power Consumption • UL Approval : E198752 & TÜV  	<ul style="list-style-type: none"> • 1.8mm Contact Gap Option • IEC 60335-1 • UL Approval : E198752  	<ul style="list-style-type: none"> • 50A Economical Version • Heavy Contact Load • UL Approval : E198752 
31.7 x 26.9 x 20.3	31.7 x 26.9 x 20.3	21.5 x 15.8 x 16.5
1A, 1B, 1C	1A	1A, 1B, 1C
TÜV NO : 30A @ 240VAC; 14VDC NC : 20A @ 240VAC; 14VDC	1.8mm Contact Gap : 35A @ 250/277VAC Resistive, 50k cycles	NO : 50A @ 240VAC Resistive, 10k cycles NC : 35A @ 240VAC Resistive, 10k cycles
UL Rating NO : 30A @ 240VAC Resistive NC : 20A @ 240VAC Resistive	Standard Gap : 50A @ 250/277VAC General Purpose & Resistive, 20k cycles	
5 ~ 110VDC	12VDC & 24VDC	5 ~ 110VDC
100K cycles	100K cycles	100K cycles
-55°C to 125°C	-40°C to 125°C	-55°C to 125°C
		

J116F1	J117F	J118
		
<ul style="list-style-type: none"> • 50A in Industry's Smallest Package • 5kV Dielectric Strength • UL Approval : E198752  	<ul style="list-style-type: none"> • Low Profile : 12.3mm, Narrow Width • Creepage > 8mm • UL Approval : E198751  	<ul style="list-style-type: none"> • Low Coil Power Consumption • PC Board Mounting • UL Approval : E198752 
29 x 21.5 x 15.3	28.5 x 10.1 x 12.3	15.5 x 12.2 x 13.8
1A	1A, 1C	1A, 1B, 1C
50A @ 277VAC Resistive, 6K cycles 40A @ 277VAC Resistive, 20K cycles 30A @ 277VAC Resistive, 50K cycles 1HP @ 125VAC, 100K cycles TV-8 @ 250VAC, 25K cycles	8A @ 250VAC 8A @ 30VDC 100K Cycles at 70°C Ambient	NO : 10A @ 120VAC Resistive 20A @ 14VDC Resistive NC : 10A @ 14VDC Resistive 1/2hp @ 125VAC TV-5 @ 120VAC
5 ~ 48VDC	5 ~ 24VDC	9 ~ 24VDC
100K cycles	100K cycles	100K cycles
-40°C to 125°C	-55°C to 125°C	-40°C to 85°C
		

Specifications and availability subject to change without notice.

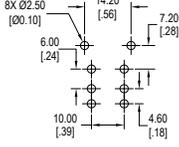
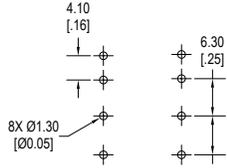
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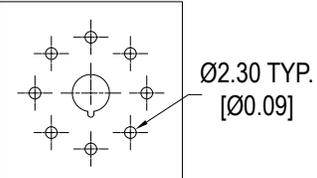
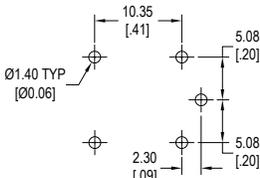
Series	J120D	J123F	J151
			
Features	<ul style="list-style-type: none"> Switching Capacity up to 20A Designed to Withstand High In-Rush UL Approval : E198751 	<ul style="list-style-type: none"> Capable of Handling 1000W Lamp Loads Designed to Withstand High In-Rush UL Approval : E198752 & TÜV 	<ul style="list-style-type: none"> Switching Capacity up to 20A High Contact Load UL Approval : E198752
Dimensions (LxWxH mm)	30.0 x 15.5 x 23.3 (33.0)	19.5 x 16.1 x 17.1	21.6, 30.6, 40.6 x 27.6 x 35.0
Contact Arrangement	1A	1A, 1C	1A, 2A, 3A, 4A, 1B, 2B, 3B, 4B, 1C, 2C, 3C, 4C
Contact Ratings	20A @ 250VAC General Purpose	20A @ 125VAC 16A @ 277VAC 10A @ 250VAC GP, 20k, 85°C 1hp @ 125/250 NO 1/2hp @ 125/250 NC TV-8 @ 120VAC	1 Pole 20A @ 277VAC GP 20A @ 28VDC GP 2, 3 & 4 Pole 12A @ 250VAC GP 12A @ 28VDC GP 10A @ 277VAC GP 1/2hp @ 125VAC
Coil Voltage Options	5 ~ 48VDC	5 ~ 48VDC	12 ~ 220VDC & 12 ~ 240VAC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-30°C to 55°C	-55°C to 125°C	-40°C to 85°C
PC Board Layout			

Series	J152	J850 & J850SM	NEWEST OFFERING
			
Features	<ul style="list-style-type: none"> Switching Capacity up to 10A Low Coil Power Consumption UL Approval : E198751 & TÜV 	<ul style="list-style-type: none"> Monostable Ultra Low Profile : 4.90mm Height UL Approval : E198751 	
Dimensions (LxWxH mm)	27.0 x 21.0 x 35.0	14.0 x 9.0 x 4.9	
Contact Arrangement	2A, 3A, 4A, 2B, 3B, 4B, 2C, 3C, 4C	2C	
Contact Ratings	UL Rating: 2 & 3 Pole 10A @ 220VAC GP 10A @ 28VDC GP UL Rating: 4 Pole 5A @ 220VAC GP 5A @ 28VDC GP TÜV Rating: 2 Pole 5A @ 220VAC, 28VDC	1A @ 30VDC Resistive .5A @ 125VAC Resistive	
Coil Voltage Options	12 ~ 110VDC & 12 ~ 220VAC	3 ~ 24VDC	UL/cUL Approved
Electrical Life	500K, 200K or 100K cycles	200K cycles	See page 17 for more info.
Operating Temperature	-40°C to 85°C	-40°C to 85°C	
PC Board Layout			

Dimensions shown in mm. Dimensions are shown for reference purposes only.

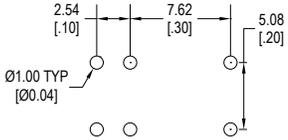
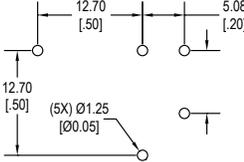
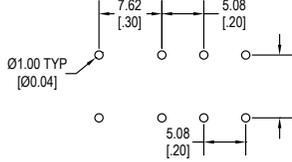
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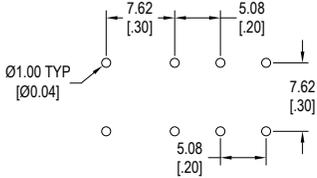
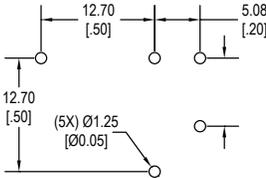
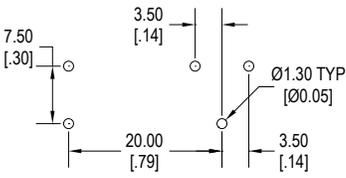
Series	PC113	PC118
		
EPICKER COMPONENTS		
Features	<ul style="list-style-type: none"> • 12 & 20 Amp General Purpose • AC or DC Coil Option • UL Approval : E86876 	<ul style="list-style-type: none"> • Miniature 2, 3 or 4 Pole General Purpose • AC or DC Coil Option • UL Approval : E86876 
Dimensions (LxWxH mm)	28 x 21.5 x 35	28 x 21.5 x 35
Contact Arrangement	1A, 1C, 2A, 2C	2C, 3C, 4C
Contact Ratings	20A @ 277VAC / 28VDC 12A @ 250VAC / 28VDC 10A @ 277VAC 1/2hp @ 125VAC	2C : 10A @ 220VAC / 28VDC 3C : 10A @ 220VAC / 28VDC 4C : 5A @ 220VAC / 28VDC
Coil Voltage Options	12 ~ 220VDC & 12 ~ 240VAC	12 ~ 110VDC & 12 ~ 220VAC
Electrical Life	100K cycles	100K cycles
Operating Temperature	-40°C to 85°C	-40°C to 85°C
PC Board Layout		

Series	PC180	PC236
		
EPICKER COMPONENTS		
Features	<ul style="list-style-type: none"> • 10 Amp Power Relay • AC or DC Coil Option • UL Approval : E86876 	<ul style="list-style-type: none"> • 10 & 20 Amp Subminiature • Suitable for Automotive & Power • UL Approval : E93379 
Dimensions (LxWxH mm)	36 x 36 x 53	15.5 x 12.2 x 13.8
Contact Arrangement	2C, 3C	1C
Contact Ratings	10A @ 250VAC / 30VDC Resistive 7A @ 250VAC / 30VDC General Purpose	10A @ 120VAC NO 20A @ 14VDC NO 10A @ 14VDC NC
Coil Voltage Options	6 ~ 220VDC & 6 ~ 240VAC	9 ~ 24VDC
Electrical Life	100K cycles	100K cycles
Operating Temperature	-10°C to 55°C	-40°C to 85°C
PC Board Layout		

Specifications and availability subject to change without notice.

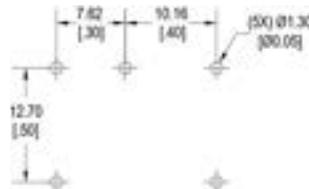
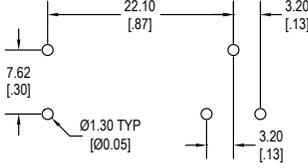
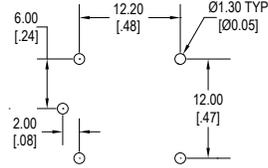
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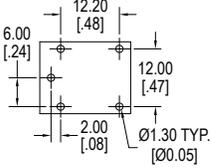
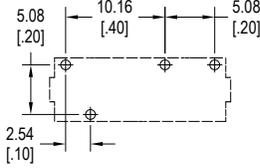
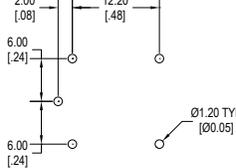
Series	PC307	PC312 & PC312B	PC322
			
Features	<ul style="list-style-type: none"> • 1 Amp Ultraminiature PCB Telecom • High Sensitivity • UL Approval : E86876 	<ul style="list-style-type: none"> • Subminiature PCB Telecom • PC Terminals on 0.1" Grid • UL Approval : E86876 	<ul style="list-style-type: none"> • Subminiature PCB Telecom • Bifurcated Crossbar Contacts • UL Approval : E86876 
Dimensions (LxWxH mm)	12.5 x 7.5 x 10	15.5 x 10.5 x 11.25	21 x 9.8 x 10.8
Contact Arrangement	1C	1C	2C
Contact Ratings	2A @ 120VDC 1A @ 30VDC .3A @ 60VDC	3A @ 125VAC / 30VDC 5A @ 125VAC / 30VDC	1A @ 125VAC / 24VDC 2A @ 30VDC
Coil Voltage Options	3 ~ 24VDC	3 ~ 24VDC	5 ~ 24VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
PC Board Layout			

Series	PC323	PC333	PC375
			
Features	<ul style="list-style-type: none"> • Subminiature PCB Telecom • Bifurcated Crossbar Contact • UL Approval : E86876 	<ul style="list-style-type: none"> • 12 Amp Subminiature PCB Power • Sensitive Coil Available • UL Approval : E86876 	<ul style="list-style-type: none"> • Low Profile PCB Power • Four Versions Available • UL Approval : E86876 
Dimensions (LxWxH mm)	20.3 x 10 x 11.2	22.3 x 17.3 x 14.5	29.2 x 13.2 x 15.7
Contact Arrangement	2C	1A, 1C	1A, 1C, 2A, 2C
Contact Ratings	2A @ 30VDC Resistive 3A @ 30VDC NO General Purpose .6A @ 125VAC Resistive	12A @ 125VAC / 28VDC General Purpose 6A @ 30VAC General Purpose 10A @ 240VAC Resistive 1/3hp @ 120VAC / 240VAC Inductive	12A @ 250VAC / 30VDC General Purpose 12A @ 250VAC / 30VDC Resistive 12A @ 250VAC NC General Purpose 16A @ 250VAC NO General Purpose 16A @ 277VAC Resistive 8A @ 277VAC / 30VDC General Purpose 8A @ 277VAC / 30VDC Resistive
Coil Voltage Options	5 ~ 48VDC	3 ~ 48VDC	5 ~ 24VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
PC Board Layout			

Dimensions shown in mm. Dimensions are shown for reference purposes only.

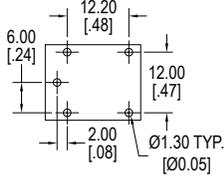
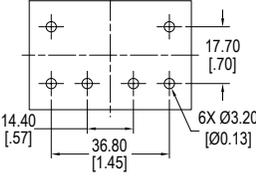
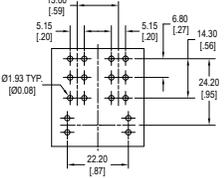
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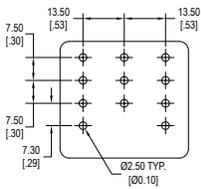
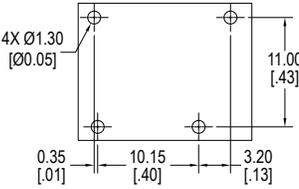
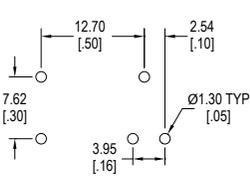
PC376	PC378	PC415
		
<ul style="list-style-type: none"> • 10 Amp Subminiature Power • B Class or F Class Insulation • UL Approval : E93379 	<ul style="list-style-type: none"> • 10 Amp Low Profile Subminiature Power • 6 Contact Form Options • UL Approval : <i>pending</i> 	<ul style="list-style-type: none"> • 10 Amp Subminiature PCB Power • Class B or Class F Insulation • UL Approval : E86876
22.2 x 16.6 x 11.3	28.5 X 10.1 X 12.3	19 x 15.5 x 15.3
1A, 1C	1A, 1C, 1C2, 2A, 2B, 2C	1A, 1B, 1C
16A @ 250VAC / 30VDC NO 10A @ 250VAC / 30VDC NO 10A @ 250VAC / 30VDC NC	8A @ 250VAC / 30VDC 8A @ 250VAC NC 8A @ 250VAC NO 2x5A @ 277VAC / 30VDC	10A @ 120VAC / 28VDC 7A @ 240VAC 5A @ 277VAC 20A @ 14VDC 1/3hp @ 125VAC / 277VAC
3 ~ 48VDC	5 ~ 60VDC	3 ~ 48VDC
100K cycles	100K cycles	100K cycles
-40°C to 85°C / -40°C to 125°C	-40°C to 85°C	-55°C to 85°C
		

PC415H	PC466	PC520
		
<ul style="list-style-type: none"> • 15 Amp Subminiature PCB Power • Class B or Class F Insulation • UL Approval : E86876 	<ul style="list-style-type: none"> • 5 Amp Ultra Slim Miniature PCB Power • Sensitive 200 Milliwatt Coil • UL Approval : E86876 	<ul style="list-style-type: none"> • 20 Amp Subminiature PCB Power • Class F Insulation • UL Approval : E93379
19.5 x 15.6 x 15.7	17.5 x 6.5 x 12.5	19.5 x 16.1 x 17.1
1A, 1B, 1C	1A	1A, 1B, 1C
15A @ 120VAC / 28VDC 10A @ 240VAC 6A @ 277VAC 20A @ 16VDC 1/3hp @ 125VAC / 277VAC	5A @ 250VAC 5A @ 30VDC	20A @ 120VAC Resistive 16A @ 277VAC General Purpose 10A @ 250VAC General Purpose
3 ~ 48VDC	5 ~ 24VDC	3 ~ 48VDC
100K cycles	100K cycles	100K cycles
-55°C to 85°C	-25°C to 70°C	-40°C to 85°C
		

Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Series	PC521	PC673	PC730
			
Features	<ul style="list-style-type: none"> • 20 Amp Subminiature PCB Power • Class B or Class F Insulation • UL Approval : E93379  	<ul style="list-style-type: none"> • 30 Amp Power • Packaging Options • UL Approval : E86876  	<ul style="list-style-type: none"> • 30 Amp Power Relay • 1/4" Inch Male Quick Connect • Flange or PC Mounting 
Dimensions (LxWxH mm)	21.3 x 16.2 x 20.8	68.5 x 34 x 55	33.5 x 35.6 x 42
Contact Arrangement	1A, 1B, 1C	1A, 2A	2A, 2C
Contact Ratings	16A @ 277VAC General Purpose 10A @ 250VAC General Purpose 20A @ 125VAC Resistive 16A @ 250VAC Resistive TV-8 @ 125VAC	1A : 30A @ 277VAC 3hp @ 240VAC 1 1/2hp @ 120VAC 2A : 25A @ 277 VAC 3hp @ 240VAC 1 1/2hp @ 120VAC	30A @ 250VAC General Purpose 20A @ 277VAC General Purpose 20A @ 28VDC General Purpose 30A @ 250VAC Resistive 20A @ 277VAC Resistive 1-1/2hp @ 240VAC / 1hp @ 120VAC
Coil Voltage Options	3 ~ 48VDC	6 ~ 220VDC & 6 ~ 400VAC	12 ~ 277VAC / 12 ~ 110VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 85°C	-25°C to 60°C	-40°C to 85°C
PC Board Layout			

Series	PC740	PC834	PC835
			
Features	<ul style="list-style-type: none"> • 30 Amp Power Relay • 1/4" Inch Male Quick Connect • Flange or PC Mounting  	<ul style="list-style-type: none"> • 12 & 20 Amp Miniature • Class B or Class F Insulation • UL Approval : E86876  	<ul style="list-style-type: none"> • 10 Amp Subminiature Power PCB • Class F Insulation • UL Approval : E93379 
Dimensions (LxWxH mm)	42 x 38.2 x 55	18.4 x 15.2 x 10.2	18 x 10 x 15.3
Contact Arrangement	2A, 2C, 3A, 3C	1A	1A, 1C
Contact Ratings	40A @ 120VAC Resistive 30A @ 250VAC Resistive 40A @ 250VAC General Purpose 1-1/2hp @ 120VAC 2hp @ 250VAC	10A @ 277VAC / 30VDC General Purpose 12A @ 125VAC General Purpose 10A @ 277VAC / 30VDC Resistive 12A @ 125VAC Resistive TV-5 @ 125VDC	5A @ 250VAC General Purpose 4.2A @ 277VAC GP & Resistive 10A @ 125VAC Resistive 5A @ 240VAC Resistive 1/4hp @ 120/240/277VAC TV-5 @ 125VAC; 24VA @ 24VAC Pilot Duty
Coil Voltage Options	12 ~ 240VAC / 12 ~ 110VDC	3 ~ 24VDC	3 ~ 24VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 85°C	-40°C to 105°C	-40°C to 105°C
PC Board Layout			

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

PTRA, -T, -OT



- 40 Amp Power PCB
- Multiple Package Options
- UL Approval : E93379



31.7 x 26.9 x 20.3 and more

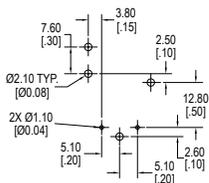
1A, 1B, 1C

30A @ 240VAC/277VAC NO GP
 20A @ 240VAC/277VAC NC GP
 5A @ 280AC GP
 40A @ 240VAC/28VDC NO Resistive
 30A @ 240VAC/28VDC NC Resistive

12 ~ 277VAC

100K cycles

-55°C to 100°C



PTRD, -T, -OT



- 40 Amp Power PCB
- Multiple Package Options
- UL Approval : E93379



31.7 x 26.9 x 20.3 and more

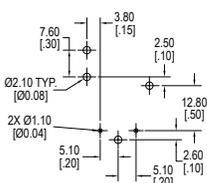
1A, 1B, 1C

30A @ 240VAC/277VAC NO GP
 20A @ 240VAC/277VAC NC GP
 5A @ 280AC GP
 40A @ 240VAC/28VDC NO Resistive
 30A @ 240VAC/28VDC NC Resistive

3 ~ 110VDC

100K cycles

-55°C to 100°C



PTRH, -T, OT



- 30 Amp Power PCB
- Multiple Package Options
- UL Approval : E93379



32.4 x 27.5 x 27.5

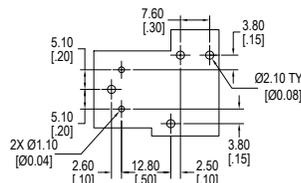
1A, 1B, 1C

30A @ 240VAC / 30VDC NO GP
 20A @ 240VAC / 30VDC NC GP
 30A @ 250VAC NO Resistive
 20A @ 250VAC NC Resistive
 1 1/2hp @ 120VAC NC

3 ~ 110VDC

100K cycles

-40°C to 105°C



PTRE, -T, -OT



- 50 Amp Power PCB
- Multiple Package Options
- UL Approval : E93379



31.7 x 26.9 x 20.3 and more

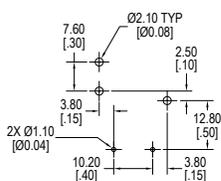
1A, 1C

50A @ 240VAC / 30VDC NO
 35A @ 240VAC / 30VDC NC
 13A @ 277VAC NO
 1hp @ 125VAC NO
 1/4hp @ 125VA NC

5 ~ 110VDC

100K cycles

-45°C to 105°C



PTRV



- 50 Amp Power PCB
- 1.8mm Gap, 2.25W Coil
- UL Approval : pending



31.7 x 26.9 x 20.3

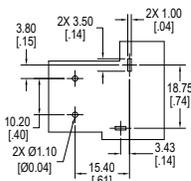
1A

50A @ 277VAC Resistive

12VDC, 24VDC

6K cycles

-55°C to 85°C



NEWEST OFFERING



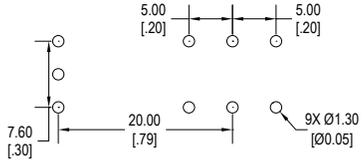
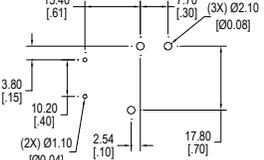
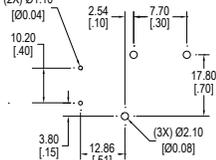
The PC730 & PC740 Series are 30 Amp Power Relays.

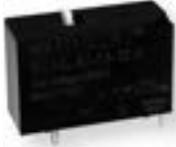
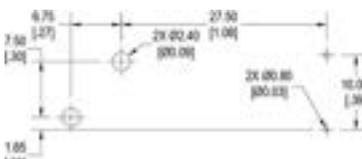
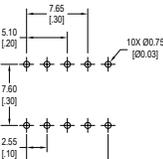
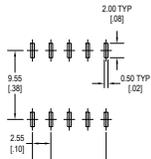
UL/cUL Approved

See page 18 for more info.

Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Series	L114FL	L115F1	L115F2
			
Features	<ul style="list-style-type: none"> • Single Coil or Double Coil Latching • Creepage Distance 8.4mm • UL Approval : E198751  	<ul style="list-style-type: none"> • Single Coil Latching • Heavy Contact Load • UL Approval : E198752  	<ul style="list-style-type: none"> • Single Coil Latching • Strong Shock & Vibration Resistance • UL Approval : E198752 
Dimensions (LxWxH mm)	29.0 x 12.7 x 15.7	26.9 x 31.7 x 20.3	31.9 x 26.8 x 28.1
Contact Ratings	1A, 1C NO : 16A @ 240VAC Resistive; 50k cycles; 85°C ambient NC : 16A @ 240VAC Resistive; 50k cycles; 85°C ambient	1A, 1B, 1C NO : 30A @ 277VAC Resistive; 6k cycles; 25°C ambient 40A @ 277VAC Resistive; 6k cycles; 25°C ambient 50A @ 277VAC Resistive; 6k cycles; 25°C ambient NC : 30A @ 277VAC Resistive; 6k cycles; 25°C ambient 40A @ 277VAC Resistive; 6k cycles; 25°C ambient 50A @ 277VAC Resistive; 6k cycles; 25°C ambient	1A, 1B, 1C NO : 30A @ 277VAC Resistive; 6k cycles; 25°C ambient 40A @ 277VAC Resistive; 6k cycles; 25°C ambient 50A @ 277VAC Resistive; 6k cycles; 25°C ambient NC : 30A @ 277VAC Resistive; 6k cycles; 25°C ambient 40A @ 277VAC Resistive; 6k cycles; 25°C ambient 50A @ 277VAC Resistive; 6k cycles; 25°C ambient
Coil Voltage Options	3 ~ 24VDC	5 ~ 48VDC	5 ~ 48VDC
Electrical Life	50K cycles	50K cycles	50K cycles
Operating Temperature	-40°C to 85°C	-55°C to 125°C	-55°C to 125°C
PC Board Layout			

Series	PC10L	PC302	PC302S
			
Features	<ul style="list-style-type: none"> • 50 Amp Latching PCB • Single or Dual Coil • UL Approval : E86876 	<ul style="list-style-type: none"> • 1 Amp Microminiature • DIL Package for PCB or Socket • UL Approval : E86876 	<ul style="list-style-type: none"> • Surface Mount 1 Amp Microminiature • DIL Package for PCB or Socket • UL Approval : E86876
Dimensions (LxWxH mm)	39 x 15 x 26.6	14 x 9 x 4.9	14 x 9 x 4.9
Contact Arrangement	1A	2C	2C
Contact Ratings	50A @ 277VAC Resistive 5,000W @ 240VAC Lamp 16A @ 277VAC Lamp 5hp @ 277VAC	1A @ 30VDC Resistive 0.5A @ 125VAC Resistive	1A @ 30VDC Resistive 0.5A @ 125VAC Resistive
Coil Voltage Options	6 ~ 48VDC	5 ~ 24VDC	5 ~ 24VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 70°C	-40°C to 85°C	-40°C to 85°C
PC Board Layout			

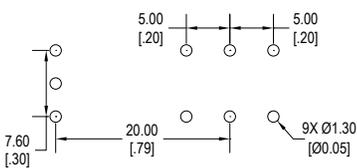
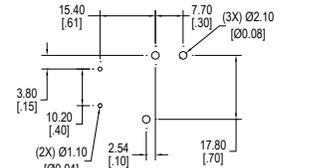
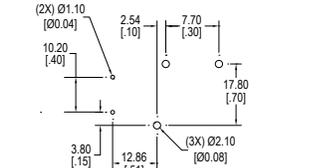
Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

PC375L

PCT90CL, DL, EL

PCT91CL, DL, EL

		
<ul style="list-style-type: none"> • Low Profile Latching Power PCB • Meets UL 873 Spacing • UL Approval : E86876 	<ul style="list-style-type: none"> • 30 / 40 / 50 Amp Latching PCB • Single Coil Latching • UL Approval : E93379 	<ul style="list-style-type: none"> • 30 / 40 / 50 Amp Latching Space/PCB • Single Coil Latching • UL Approval : E93379
29 x 12.7 x 15.7	26.9 x 31.7 x 20.3	31.9 x 26.8 x 28.1
1A, 1C	1A, 1B, 1C	1A, 1B, C (SPDT BBM)
16A @ 250VAC / 30VDC General Purpose 16A @ 250VAC Resistive 1hp @ 240VAC 360W @ 125VAC TV-5 @ 120VAC	30A 1C : 30A @ 277VAC / 28VDC Resistive 40A 1C : 40A @ 277VAC / 28VDC NO Resistive 30A @ 277VAC / 28VDC NC Resistive 50A 1C : 50A @ 277VAC NO Resistive 40A @ 277VAC NC Resistive	30A 1C : 25A @ 277VAC / 28VDC Resistive 40A 1C : 30A @ 277VAC / 28VDC NO Resistive 30A @ 277VAC / 28VDC NC Resistive 50A 1C : 40A @ 277VAC NO Resistive 40A @ 277VAC NC Resistive
3 ~ 24VDC	5 ~ 48VDC	5 ~ 48VDC
10K cycles	100K cycles	100K cycles
-40°C to 85°C	-55°C to 125°C	-55°C to 125°C
		

Circuit Interruption Technology, Inc. expanded our product offering with the acquisition of Picker Components. CIT Relay & Switch manufactures electromechanical relays and switches, while Picker Components manufactures electromechanical and solid-state relays. Wherever opportunities arise, CIT works to provide customers the best product for the application and the most compelling support experience. Two quality manufacturers rolled into one for continued growth of CIT/Picker through paramount service, selection, quality, and value — we strive to be the best.

The combination of CIT Relay & Switch and Picker has generated value for our customers through a global network of services, and expanded engineering expertise. It has magnified our value with a wide breath of product while at the same time extracting synergies.

CIT places the customer first. We work directly with customers from simple to complicated projects, tailoring custom solutions and designs. Our technical, engineering, and customer support personnel are well-trained and can help with your design selection requirements. With a state-of-the-art test lab, CIT can address custom or standard test requirements under a variety of conditions to validate your application. From small to large projects, we are here to help with all our customers' testing and design needs.



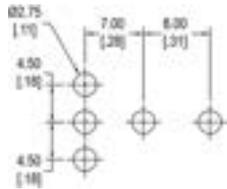
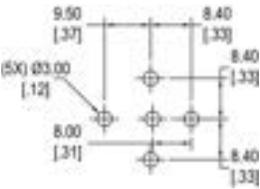
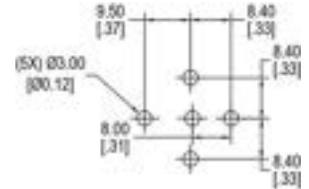
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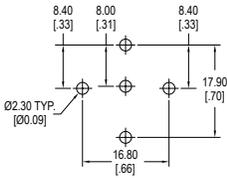
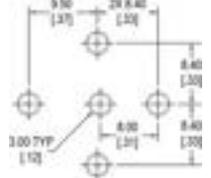
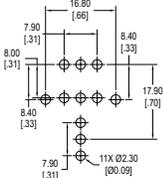
Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Datasheets and complete product information at www.citrelay.com

UL approved latching relays

Series	A1 & A1M	A2	A2H
			
Features	<ul style="list-style-type: none"> Switching Capacity up to 30A Automobile & Lamp Accessories PCB Pin & Quick Connect Mounting 	<ul style="list-style-type: none"> Large Switching Capacity up to 40A PCB Pin & Quick Connect Mounting Two Style Mounting Flange Available 	<ul style="list-style-type: none"> Large Switching Capacity up to 50A PCB Pin & Quick Connect Mounting Low Temp Rise at Full Load
Dimensions (LxWxH mm)	22.8 x 15.3 x 25.8 / 20 x 15.2 x 22	26 x 26 x 24.5 (39.5)	26 x 26 x 22.7
Contact Arrangement	1A, 1C / 1A, 1B	1A, 1B, 1C	1A, 1C
Contact Ratings	1A : 25A @ 14VDC 30A @ 14VDC 1C : 20A @ 14VDC 1A : 20A @ 14VDC 1B : 15A @ 14VDC	1A : 40A @ 14VDC 1B : 30A @ 14VDC 1C : 40A @ 14VDC NO 30A @ 14VDC NC	1A : 50A @ 14VDC 1C : 50A @ 14VDC NO 30A @ 14VDC NC
Coil Voltage Options	6 ~ 48VDC / 12VDC & 24VDC	6 ~ 48VDC	12VDC & 24VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 85°C	-40°C to 125°C	-40°C to 125°C
PC Board Layout			

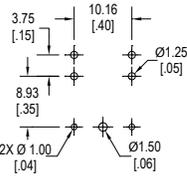
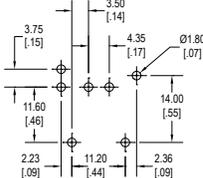
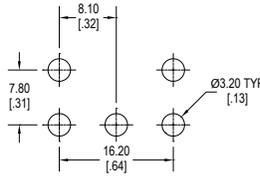
Series	A2K	A3	A3K
			
Features	<ul style="list-style-type: none"> Large Switch Capacity up to 110VDC Internal Blowout Magnets ISO Sized 	<ul style="list-style-type: none"> Large Switch Capacity up to 80A Automotive & Lamp Accessories QS-9000, ISO-9002 Certified 	<ul style="list-style-type: none"> Large Switch Capacity up to 145VDC Internal Blowout Magnets Maxi ISO Sized
Dimensions (LxWxH mm)	26.5 x 32.0 x 33.5	28.5 x 28.5 x 26.5 (40)	26.5 x 32.0 x 35.5
Contact Arrangement	1A, 1C	1A, 1B, 1C, 1U	1A, 1C
Contact Ratings	60A @ 14VDC 25A @ 36VDC 20A @ 48VDC 15A @ 72VDC 10A @ 90VDC 7A @ 110VDC	Standard 1A : 60A @ 14VDC 1B : 40A @ 14VDC 1C : 60A @ 14VDC NO 40A @ 14VDC NC 1U : 2x25A @ 14VDC Heavy Duty 1A : 80A @ 14VDC 1B : 70A @ 14VDC 1C : 80A @ 14VDC NO 70A @ 14VDC NC 1U : 2x25A @ 14VDC	80A @ 14VDC 60A @ 36VDC 50A @ 48VDC 30A @ 72VDC 15A @ 90VDC 5A @ 145VDC
Coil Voltage Options	12VDC & 24VDC	12VDC & 24VDC	12VDC & 24VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 155°C	-40°C to 125°C	-40°C to 155°C
PC Board Layout			

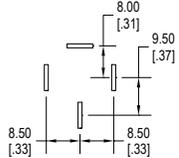
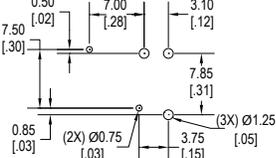
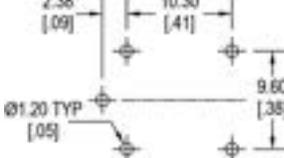
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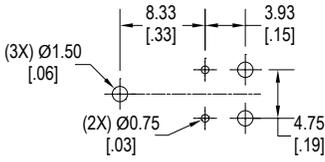
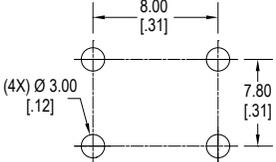
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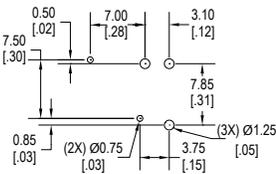
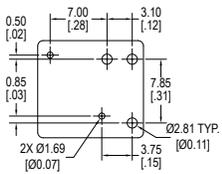
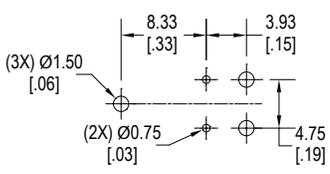
Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

A4	A5	A6
		
<ul style="list-style-type: none"> Switching Current up to 20A Dual Relay Available Household & Auto Applications 	<ul style="list-style-type: none"> Switching Capacity up to 40A Automotive & Lamp Accessories Two Footprint Styles Available 	<ul style="list-style-type: none"> Low Coil Power Consumption Switching Current up to 30A Household & Auto Applications
16.9 x 14.5 (29.7) x 19.5	25.8 x 20.5 x 20.8	22.5 x 15 x 25.2
1A, 1C, 1U, 1W, 2A, 2C, 2U, 2W	1A, 1B, 1C	1A, 1C
1A, 1C, 2A, 2C : 10A @ 120VAC 10A @ 28VDC 20A @ 14VDC 1U, 1W, 2U, 2W : 2x10A @ 120VAC 2x10A @ 28VDC 2x20A @ 14VDC	1A : 40A @ 14VDC 20A @ 120VAC 15A @ 28VDC 1B : 30A @ 14VDC 20A @ 120VAC 15A @ 28VDC 1C : 40A @ 14VDC 30A @ 14VDC 20A @ 120VAC 15A @ 28VDC	1A : 30A @ 14VDC 1C : 30A @ 14VDC NO 20A @ 14VDC NC
12VDC & 24VDC	9 ~ 24VDC	12VDC & 24VDC
100K cycles	100K cycles	100K cycles
-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
		

A9	A10	A15
		
<ul style="list-style-type: none"> Switching Capacity up to 40A Insert Mounting Footprint Metal Mounting Tab 	<ul style="list-style-type: none"> Switching Capacity up to 30A Withstands High Temperature Ultra Light Weight - 4g 	<ul style="list-style-type: none"> 20A Switching Capacity Small Size, Light Weight Automotive & Lamp Accessories
35.5 x 25.5 x 21.0	12 (23.8) x 12.9 x 9.9	15.5 x 12.5 (25.5) x 13.7
1A	1A, 1C, 2A, 2C	1C
40A @ 14VDC	1A : 25A, 30A @ 14VDC 1C : 25A, 30A @ 14VDC NO 20A, 25A @ 14VDC NC 2A : 25A, 30A @ 14VDC 2C : 25A, 30A @ 14VDC NO 20A, 25A @ 14VDC NC	20A @ 14VDC
12VDC & 24VDC	5 ~ 24VDC	12VDC
100K cycles	100K cycles	100K cycles
-40°C to 85°C	-40°C to 105°C	-40°C to 85°C
		

Series	A16	A17	NEWEST OFFERING
			
Features	<ul style="list-style-type: none"> • 25A Switching Capacity • F Class Insulation Standard • QS-9000, ISA-9002 Certified 	<ul style="list-style-type: none"> • Switching Capacity up to 30A • Small Size and Light Weight • Automotive & Lamp Accessories 	
Dimensions (LxWxH mm)	14.5 x 7.7 x 13.7	16.5 x 15.5 x 24.3	
Contact Arrangement	1C	1A	
Contact Ratings	25A @ 14VDC	20A @ 14VDC NO 30A @ 14VDC NO	
Coil Voltage Options	12VDC	12VDC & 24VDC	
Electrical Life	100K cycles	100K cycles	
Operating Temperature	-40°C to 105°C	-40°C to 105°C	
PC Board Layout			The PC775 & PC776 Series Power Automotive Relays See page 25 for more info.

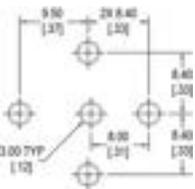
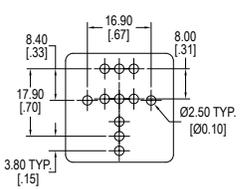
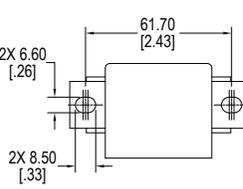
Series	PC537	PC537B	PC565
			
Features	<ul style="list-style-type: none"> • Switching Capacity up to 30A • Ultra Miniature Design • Process Sealed 	<ul style="list-style-type: none"> • Switching Capacity up to 20A • Ultra Miniature Design • Process Sealed 	<ul style="list-style-type: none"> • Switching Capacity up to 25A • Ultra Miniature Design • Process Sealed
Dimensions (LxWxH mm)	12 x 12.9 x 9.9	12 x 12.9 x 9.9	14.3 x 17.5 x 13.8
Contact Arrangement	1A, 1C	1A, 1C	1C
Contact Ratings	1A : 30A @ 14VDC NO 15A @ 28VDC NO 1C : 25A @ 14VDC NC 12.5A @ 28VDC NC	1A : 20A @ 14VDC NO 10A @ 28VDC NO 1C : 15A @ 14VDC NC 7.5A @ 28VDC NC	1C : 30A @ 14VDC
Coil Voltage Options	10VDC, 12VDC, 24VDC	10VDC, 12VDC, 24VDC	12VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 105°C	-40°C to 105°C	-40°C to 105°C
PC Board Layout			

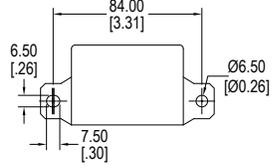
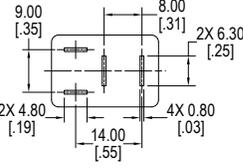
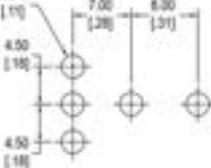
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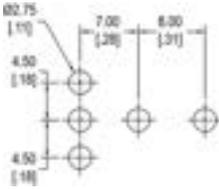
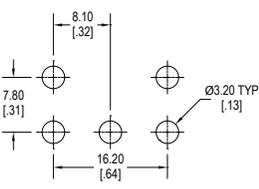
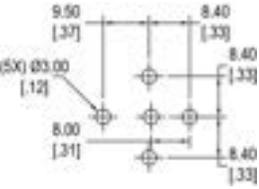
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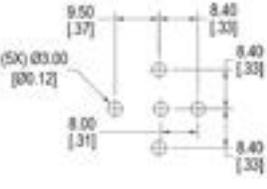
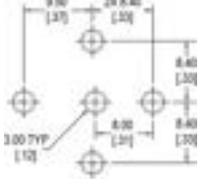
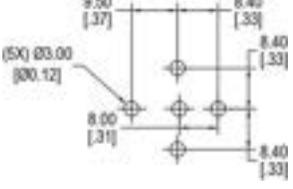
Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

PC695	PC7150	PC775
		
<ul style="list-style-type: none"> 80/60 Amp Plug-In/PCB Maxi ISO Packaging Options Socket Available 	<ul style="list-style-type: none"> 150/100 Amp Plug-IN/PCB Maxi ISO Internal Diode or Resistor Options Socket Available 	<ul style="list-style-type: none"> 75 Amp Screw Terminal Bifurcated Contacts Standard H Class Insulation
28.5 x 28.5 x 26.5 (40)	33 x 35 x 35	74.9 x 40 x 52.7
1A, 1C	1A, 1C	1A
1A : 80A @ 14VDC NO 40A @ 28VDC NO 1C : 60A @ 14VDC NC 30A @ 28VDC NC	1A : 150A @ 14VDC NO 75A @ 28VDC NO 1C : 100A @ 14VDC NC 50A @ 28VDC NC	1A : 75A @ 14VDC NO 50A @ 28VDC NO
6VDC, 12VDC, 24VDC	12VDC, 24VDC, 48VDC	6VDC, 12VDC, 24VDC
100K cycles	100K cycles	100K cycles
-40°C to 105°C	-40°C to 125°C	-40°C to 125°C
		

PC776	PC780	PC782
		
<ul style="list-style-type: none"> 130 Amp Screw Terminal Bifurcated Contacts Standard F Class Insulation 	<ul style="list-style-type: none"> 25 Amp Plug-In Micro ISO Miniature Package Socket Available 	<ul style="list-style-type: none"> 35 Amp Plug-In Micro ISO PC Board Option Internal Diode or Resistor Option
84 x 40 x 65	22.6 x 15.2 x 16.2	22.8 x 15.3 x 25.8
1X	1A	1A, 1C
1X : 130A @ 14VDC NO 65A @ 28VDC NO	1A : 25A @ 14VDC NO 12A @ 28VDC NO	1A : 35A @ 14VDC 15A @ 28VDC 1C : 30A @ 14VDC NO 25A @ 14VDC NC 15A @ 28VDC NO 10A @ 28VDC NO
12VDC, 24VDC	12VDC	6VDC, 12VDC, 24VDC, 48VDC
10K cycles	100K cycles	100K cycles
-40°C to 125°C	-40°C to 105°C	-40°C to 125°C
		

Series	PC784	PC785	PC792A
			
Features	<ul style="list-style-type: none"> • 35 Amp Plug-In Micro ISO • Internal Diode or Resistor Options • Socket Available 	<ul style="list-style-type: none"> • 35 Amp Plug-In ISO 280 Footprint • Internal Diode or Resistor Options • Miniature Size 	<ul style="list-style-type: none"> • 40 Amp Plug-In/PCB Mini ISO • Internal Diode or Resistor Options • Socket Available
Dimensions (LxWxH mm)	20 x 15.2 x 22	22.5 x 15 x 25.2	26 x 26 x 24.5 (39.5)
Contact Arrangement	1A, 1C	1A, 1C	1A, 1C
Contact Ratings	1A : 35A @ 14VDC 15A @ 28VDC 1C : 35A @ 14VDC NO 20A @ 14VDC NC 15A @ 28VDC NO 10A @ 28VDC NC	1A : 35A @ 14VDC 15A @ 28VDC 1C : 35A @ 14VDC NO 20A @ 14VDC NC 15A @ 28VDC NO 10A @ 28VDC NC	1A : 40A @ 14VDC 20A @ 28VDC 1C : 40A @ 14VDC NO 30A @ 14VDC NC 20A @ 28VDC NO 15A @ 28VDC NC
Coil Voltage Options	12VDC, 24VDC	12VDC, 24VDC	6VDC, 9VDC, 12VDC, 24VDC, 48VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 125°C	-40°C to 125°C	-40°C to 125°C
PC Board Layout			

Series	PC792B	PC792C	PC792E
			
Features	<ul style="list-style-type: none"> • 40 Amp Plug-In/PCB Mini ISO • Internal Diode or Resistor Options • Socket Available 	<ul style="list-style-type: none"> • 50/40 Amp Plug-In/PCB Mini ISO • Internal Diode or Resistor Options • Socket Available 	<ul style="list-style-type: none"> • 50 Amp Continuous Carry Current • Internal Diode or Resistor Option • Socket Available
Dimensions (LxWxH mm)	26 x 26 x 39.5	29 x 29 x 26.5	26.5 x 26.5 x 25
Contact Arrangement	1A, 1C, 1AA	1A, 1C, 1U	1A, 1C
Contact Ratings	1A : 40A @ 14VDC 20A @ 24VDC 1C : 40A @ 14VDC NO 20A @ 24VDC NC 1AA : 40A @ 14VDC NO 20A @ 24VDC NC	1A : 50A @ 14VDC 1C : 50A @ 14VDC NO 40A @ 28VDC NC	1A : 50A @ 14VDC 20A @ 28VDC 1C : 50A @ 14VDC NO 30A @ 14VDC NC 20A @ 28VDC NO 15A @ 28VDC NC
Coil Voltage Options	6VDC, 9VDC, 12VDC, 24VDC, 48VDC	6VDC, 12VDC, 24VDC	12VDC, 24VDC
Electrical Life	100K cycles	100K cycles	100K cycles
Operating Temperature	-40°C to 125°C	-40°C to 155°C	-40°C to 155°C
PC Board Layout			

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

PC792H



- 60 Amp Continuous Carry Current
- Internal Diode or Resistor Option
- Socket Available

29 x 29 x 26.5

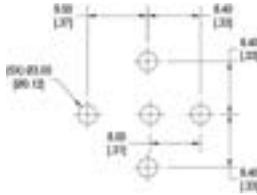
1A, 1C

1A : 60A @ 14VDC
30A @ 28VDC
1C : 60A @ 14VDC NO
40A @ 14VDC NC
30A @ 28VDC NO
20A @ 28VDC NC

6VDC, 12VDC, 24VDC

100K cycles

-40°C to 125°C



PC793



- 70 Amp Plug-In/PCB Maxi ISO
- Package Options
- Socket Available

26 x 26 x 22.7

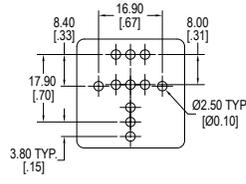
1A

1A : 70A @ 14VDC
30A @ 28VDC

6VDC, 12VDC, 24VDC

100K cycles

-40°C to 125°C



PC795



- 80 Amp Plug-In/PCB Maxi ISO
- Suitable for Automotive Accessories
- Socket Available

29 x 29 x 26.5

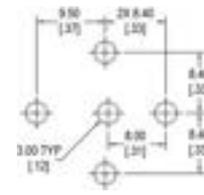
1A, 1C

1A : 80A @ 14VDC
40A @ 28VDC
1C : 80A @ 14VDC NO
70A @ 14VDC NC
40A @ 28VDC NO
35A @ 28VDC NC

6VDC, 12VDC, 24VDC

100K cycles

-40°C to 125°C



PC796



- 80 Amp Plug-In/PCB Maxi ISO
- Package Options
- Socket Available

29 x 29 x 26.5

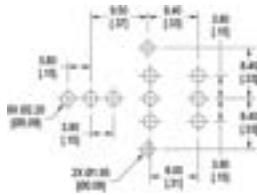
1C

1C : 80A @ 14VDC NO
60A @ 14VDC NC
40A @ 28VDC NO
30A @ 28VDC NO

6VDC, 12VDC, 24VDC

100K cycles

-40°C to 125°C



PC798



- 30 Amp Plug-In w/Integral Fuse
- 30 Amp Fuse
- Socket Available

33.1 x 25.2 x 21

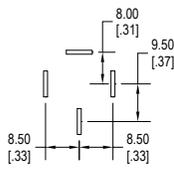
1A

1A : 30A @ 14VDC
15A @ 28VDC

6VDC, 12VDC, 24VDC

100K cycles

-40°C to 105°C



PC822



- 45 Amp PCB
- Miniature Design
- US & European Footprints

26.8 x 21.5 x 22

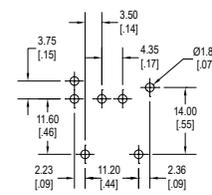
1A, 1B, 1C

1A : 45A @ 14VDC
35A @ 28VDC
1C : 40A @ 14VDC NO
30A @ 14VDC NC
20A @ 28VDC NO
15A @ 28VDC NC

6VDC, 9VDC, 12VDC, 18VDC, 24VDC

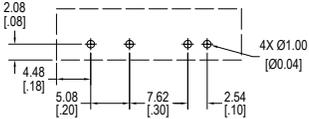
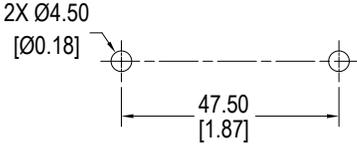
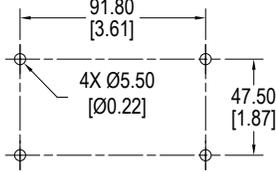
100K cycles

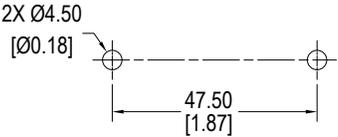
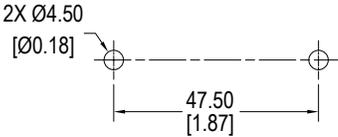
-40°C to 125°C



Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Series	PCS4	PCS15	PCS24
			
Features	<ul style="list-style-type: none"> DC Input/AC Output for 2A Built in Snubber UL Approval : E93379  	<ul style="list-style-type: none"> 10~40 Amp Load Current Screw or Quick Connect Terminals UL Approval : E93379  	<ul style="list-style-type: none"> 10~60 Amp High Power, Three Phase SCR or Triac Output Phase Loss Protection Option
Dimensions (LxWxH mm)	24.2 x 6.7 x 21.4	58.6 x 45.7 x 20.5	105 x 75 x 30
Control Voltage	5 VDC : 4~6 VDC 12 VDC : 9.6~14.4 VDC	D : 3~32 VDC, <i>no LED</i> 4~32 VDC, <i>with LED</i> 24A : 19.2~28.8 VAC 110A : 85~132 VAC 220A : 175~264 VAC	D : 3~32VDC, <i>no LED</i> 4~32 VDC, <i>with LED</i>
Load Voltage	240 VAC	240 VAC : 48~280 VAC 380 VAC : 48~440 VAC	380 VAC : 48~440 VAC 480 VAC : 48 ~ 530 VAC
Load Current	2 Amp	10, 15, 20, 25 or 40 Amp	10, 15, 25, 40, 50 or 60 Amp
Switching Type	Zero Crossing or Random Turn-On	Zero Crossing or Random Turn-On	Zero Crossing or Random Turn-On
Terminal Layout			

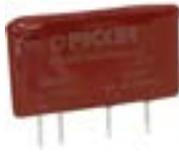
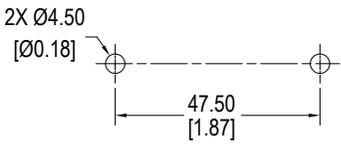
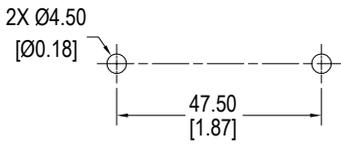
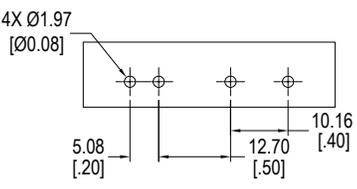
Series	PCS28	PCS33
		
Features	<ul style="list-style-type: none"> Dual, Independently Controlled Packaging Options UL Approval : E93379  	<ul style="list-style-type: none"> MOSFET DC Voltage Output 7 to 100 Amp Output LED Indicator Option
Dimensions (LxWxH mm)	58.6 x 47.7 x 32.5	58.6 x 45.7 x 26.5
Control Voltage	12 VDC : 4~15 VDC 24 VDC: 15~32 VDC	D : 3~32 VDC, <i>without LED</i> 4~32 VDC, <i>with LED</i>
Load Voltage	240 VAC : 48~280 VAC 380 VAC : 48~440 VAC 480 AVC : 48~530 VAC	30VDC, 50VDC, 100VDC, 150VDC, 200VDC, 400VDC, 500VDC
Load Current	25, 40 or 50 Amp	7, 10, 12, 20, 40, 50, 80 or 100 Amp
Switching Type	Zero Crossing or Random Turn-On	n/a
Terminal Layout		

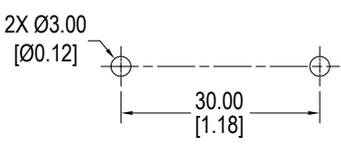
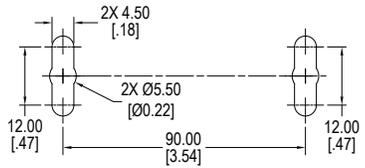
Dimensions shown in mm. Dimensions are shown for reference purposes only.

Specifications and availability subject to change without notice.

Solid state relays

Datasheets and complete product information at www.citrelay.com

PCS34 AC Input	PCS34 DC Input	PCS41
		
<ul style="list-style-type: none"> High Power, AC Input Back to Back SCR Design Output UL Approval : E93379  	<ul style="list-style-type: none"> High Power, DC Input Load Currents from 10~125 Amps UL Approval : E93379  	<ul style="list-style-type: none"> AC Output Module Compatible with AC Type I/O Module UL Approval : E93379 
58.8 x 45.7 x 32.5	58.8 x 45.7 x 32.5	44.5 x 11.5 x 29
A : 90~280 VAC U : 23~280 VDC, 21~280 VAC	D : 3~32 VDC, <i>without LED</i> 4~32 VDC, <i>with LED</i> U : 23~280 VDC, 21~280 VAC	D : 3~32 VDC 12 VDC : 4~15 VDC 24 VDC : 15~32 VDC
240 VAC : 48~280 VAC 380 VAC : 48~440VAC 480 VAC : 48~530 VAC 600 VAC : 48~660 VAC**		240 VAC : 48~280 VAC 380 VAC : 48~440 VAC 480 VAC : 48~530 VAC
25, 40, 50, 60, 70, 80, 100 or 125 Amp	10, 20, 25, 40, 50, 60, 70, 80, 100 or 125 Amp	3, 4 or 5 Amp
Zero Crossing	Zero Crossing or Random Turn-On	Zero Crossing or Random Turn-On
		

PCS53	PCS55
	
<ul style="list-style-type: none"> DC Input/AC Output Compact Package Screw or Quick Connect Terminals 	<ul style="list-style-type: none"> 10/20/30/40 AC w/Output Module LED Status Indicator UL Approval : E93379 
38.6 x 28.6 x 22.8	90 x 22.4 (44.8) x 95.6 (125)
D : 3~32 VDC 24 VAC : 19.2~28.8 VAC 120 VAC : 85~132 VAC 240 VAC : 175~264 VAC	D : 4~32 VDC 110A : 90~140 VAC 220A : 180~280 VAC 24V : 19.2~28.8 VDC/VAC
240 VAC : 48~280 VAC 380 VAC : 48~440 VAC	240A : 48~280 VAC 480A : 48~530 VAC 600A : 48~660 VAC
10, 15, 20 or 25 Amp	10, 20, 30, or 40 Amp
Zero Crossing or Random Turn-On	Zero Crossing or Random Turn-On
	



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for solid state relays

Service
Quality
Design
Support
Complete Solutions

Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Heat Transfer Pads



- Low Thermal Resistance
- Good Thermal Conductivity
- Easy to Install and Clean
- HTP50 For use with PCS53
- HTP100 For use with PCS15, PCS28, PCS33, PCS34 AC In & PCS34 DC In
- HTP300 For use with PCS24

Protective Covers



- Easy to Install
- Clear Polycarbonate Material
- SSR50 for use with PCS53
- SSR100 for use with PCS33, PCS34

Heat Sinks

PCH-M-120



PCH-H-150



PCH-I-50



PCH-IF-110*



* Fan not included. Orion Fan OD8025-12HB is recommended

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Heat Sink Ordering Information

	Dimensions (mm)	Thermal Resistance	Matching SSR
PCH-M-120	64 x 110 x 118	1.1°C/W	PCS15 ; 20A, 25A PCS33 : 400VDC 10A, 150VDC 50A, 100VDC 20A, 50VDC 40A, 30VDC 100A
PCH-H-150	55 x 142 x 150	0.6°C/W	PCS15 : 40A PCS33 : 50VDC 80A, 100VDC 40A, 200VDC 40A PCS34 : 40A, 50A
PCH-I-50	50 x 50 x 50	2.4°C/W	PCS15 : 10A, 15A PCS33 : 30VDC 50A, 200VDC 10A
PCH-IF-110 (Requires an additional 80mm cooling fan)*	55 x 142 x 150	0.6°C/W	PCS28 : 40A and above PCS34 : 60A and above

* Fan not included. Orion Fan OD8025-12HB is recommended

Specifications and availability subject to change without notice.

Socket Ordering Information

UL recognized sockets are shaded	Panel Mount Wire Assembly	PC Pin	DIN Rail Mountable	DIN Rail Mountable Finger Safe
A2 A9	HD-1001 HD-1002 HD-1004	HD-1003		
J114FL J114AF L114FL		P2R05P P2R08P	P2F08S	P2F08N
J151 2C	PT08	PT08-0	PTF08A	PTF08A-E
J152 2C	PY08	PY08-02	PYF08A	PYF08A-E
PC113-2C		SC113-2C-PCB	SC113-2C	
PC113-3C			SC113-3C	
PC118			SC118	
PC740			SC740	
PC780 PC782 PC784	SC782			
PC792A PC792B PC792C PC792E PC792H	SC792	SC792-PCB		
PC792A-C3	SC792-3C			
PC795 PC796 PC7150	SC795	SC795-PCB		

Socket Features

- Used with CIT series J114FL, J114AF, J151, A2 & A9 and Picker series PC113, PC118, PC740, PC780, PC782, PC784, PC792, PC795, PC796 & PC7150
- Snap-In, PC Pin and Screw Terminal Types
- Secure fit for relay
- Easy installation of relay onto PC Board
- Hold down clips also available

Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

Warranty

Buyer accepts that Seller's warranty prevails on orders confirmed by Seller. Seller warrants its products to be free from defects in materials and workmanship at the time of shipment under normal use and service in accordance with Seller's specifications or drawings for a period of one (1) year after date of shipment by Seller. Seller's obligations with respect to warranty claims are limited to only repair, replacement or refund of the purchase price actually paid for the product, after return of the product. This warranty does not extend to any product sold by Seller that has been subjected to misuse, neglect, accident, improper installation, a use in violation of instructions furnished by Seller, or that has been soldered or altered during assembly and is not capable of being tested by Seller. The foregoing warranty supersedes and replaces any and all warranties, whether oral, written, express, implied or statutory. Implied warranties of fitness for a particular purpose and merchantability are specifically excluded and shall not apply. Buyer agrees that Seller is not liable for any special, incidental or consequential damages including, but not limited to, damages resulting from loss of profit or revenue, recall costs, claims for service interruptions or failure to supply, downtime, testing, installation or removal costs, costs of substitute products, property damage, personal injury, death or legal expenses. Seller's products are not designed, manufactured or intended for critical use in end products, which include, but are not limited to, nuclear facilities applications, human medical, including implantable devices, or life support or critical care systems. Seller is not liable, in whole or in part, for any claims or damages arising from such use. It is up to the end user to test and determine the suitability for end product.

About Us

CIT Relay & Switch places the customer first, working directly with customers from simple to complicated projects, tailoring custom solutions and designs. When you contact CIT, you are immediately connected to a professional. Our technical and customer support personnel are well trained, and can help with your design requirements. With our test lab we can address any custom or standard test requirements that you may need. From small to large projects, we are here to help with your testing needs. Join the many customers who have come to rely on the good folks at CIT.

Mission

CIT Relay & Switch is committed to you.

Wherever opportunities arise, CIT Relay & Switch works to give its customers the best product for the application and most compelling support experience. Continued growth through paramount service, selection, quality, and value – we strive to be the best.





Our extensive line of **relays and switches** does not end with what you see in our catalog. Every day we work with customers to create custom relay and switch solutions for their design needs.



Your product deserves the **personalized attention** that CIT Relay & Switch offers.

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