

> Features:

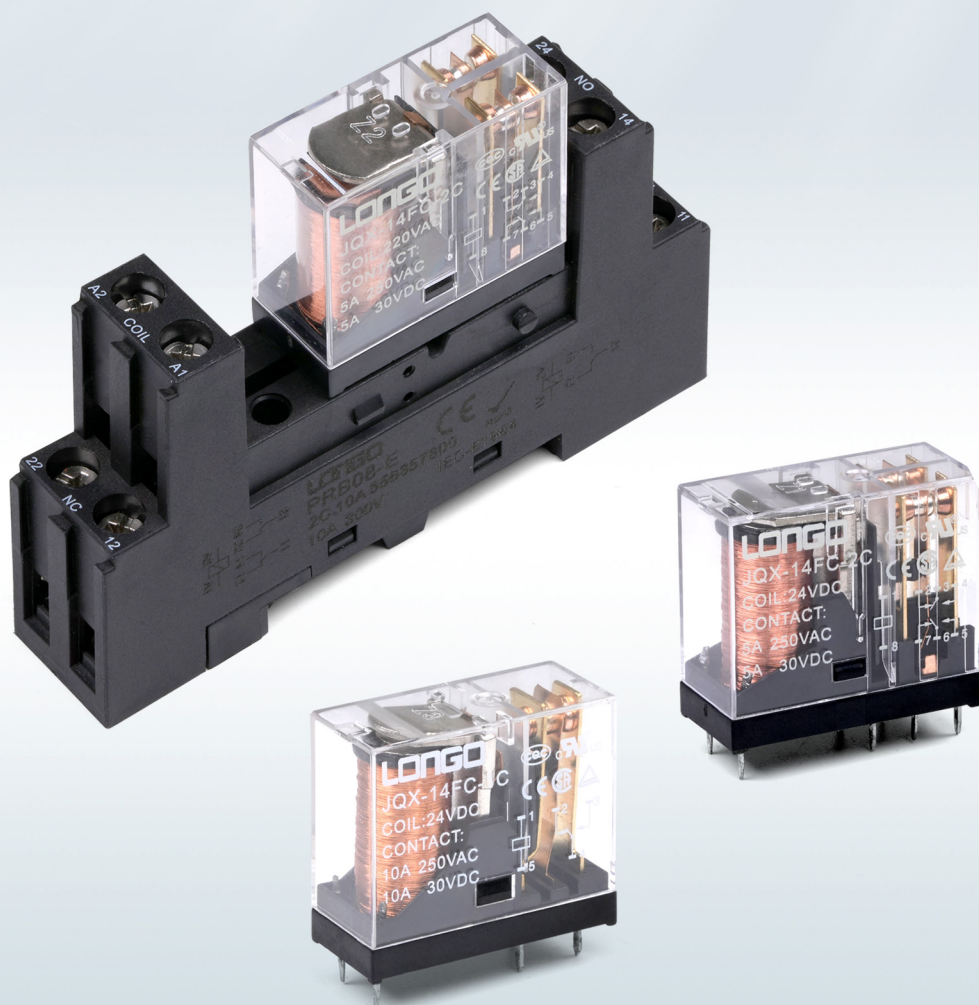
Slim and compact size

1 pole 12A; 2 pole 8A

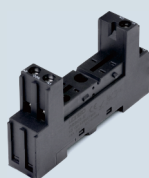
Mounting: PCB terminals

Conformity with RoHS directive

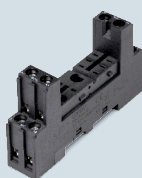
Conform to IEC61810-1



Sockets selection table



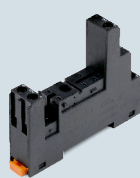
PRB05-E



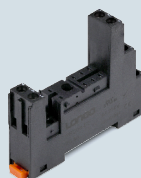
PRB08-E



PRC05-E



PRC05-E2



PRC08-E2



PRC05-ST



PRC08-ST



Relay

JQX-14FC-



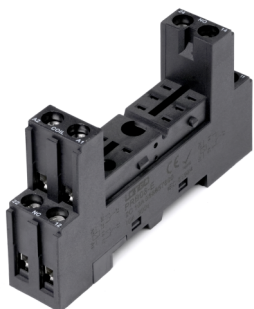
Coil Voltage
3~110VDC
6~220VAC

Encapsulation form
F: Epoxy glue
S: Sealed

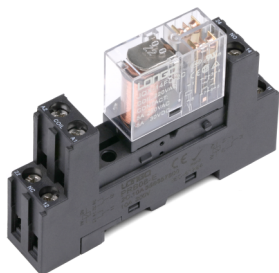
Contact Capacity
None: 1C10A;2C 5A
H: 1C 16A;2C 8A

Contact form
1,2 (A: normally open, B: normally close,
C: changeover)

Series Name



Socket



Relay module

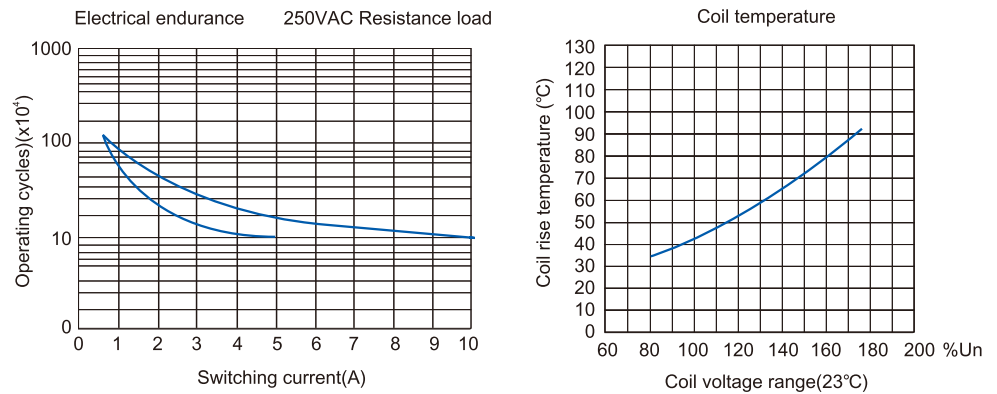
Specification

		1A, 1B, 1C	2A, 2B, 2C
Contact	Contact form	1A, 1B, 1C	2A, 2B, 2C
	Rated load Resistive (AC-1)	10A, 16A/250VAC, 30VDC	5A, 8A/250VAC, 30VDC
	Motor (AC-15)	1/3HP, 240VAC; 1/2HP, 240VAC	1/6HP, 240VAC
	Operating power (Resistive)	2500VA, 300W; 4000VA, 480W	1250VA, 150W; 2000VA, 240W
	Contact resistance (Initial)	≤50mΩ	
	Material	Ag alloy	
	Electrical endurance	≥10 ⁵ cycles (1800 Ops/h)	
	Mechanical endurance	≥10 ⁷ cycles (18000 Ops/h)	
	Pick-up voltage (23°C)	DC: ≤75% Rated voltage, AC: ≤80% Rated voltage	
	Drop-out voltage (23°C)	DC: ≥10% Rated voltage, AC: ≥30% Rated voltage	
	Max. Allowed voltage (25°C)	110% Rated voltage	
Insulation resistance		≥1000MΩ (500VDC)	
Coil power consumption	DC (W)	0.53	
	AC (VA)	1.0	
Operate time (at nominal voltage)		≤20ms	
Release time (at nominal voltage)		≤10ms	
Initial dielectric strength	Between contacts	1000VAC/1min (Leakage current 1 mA)	
	Between poles	1000VAC/1min (Leakage current 1 mA)	
	Between contact and coil	5000VAC/1min (Leakage current 1 mA)	
Ambient temperature		-40~+65°C	
Humidity		35%~85%RH	
Atmospheric Pressure		86~106KPa	
Shock resistance		(Half a wave of pulses of sine: 11ms)	
Vibration resistance		10~55Hz Dual amplitude: 1.5mm	
Installation mode		PCB terminals	
Weight		Approx. 17g	
Matched relay socket		PRB05-E PRC05-E	PRB08-E PRC08-E
Equivalent Product	Finder	40.31	40.52
	OMRON	G2R-1	G2R-2

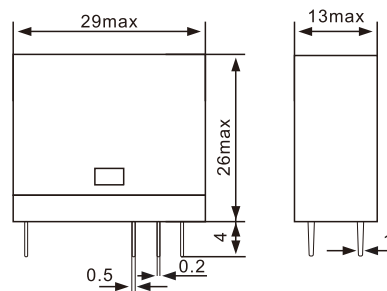
Coil Specifications (23°C)

Rated voltage V.DC	3	5	6	9	12	18	24	36	48	110
Coil resistance (±10%)	17	47	68	150	270	610	1100	2440	4300	22800
Rated voltage V.AC	6	12	24	48	115	230				
Coil resistance (±10%)	16	63	240	1085	6300	23000				

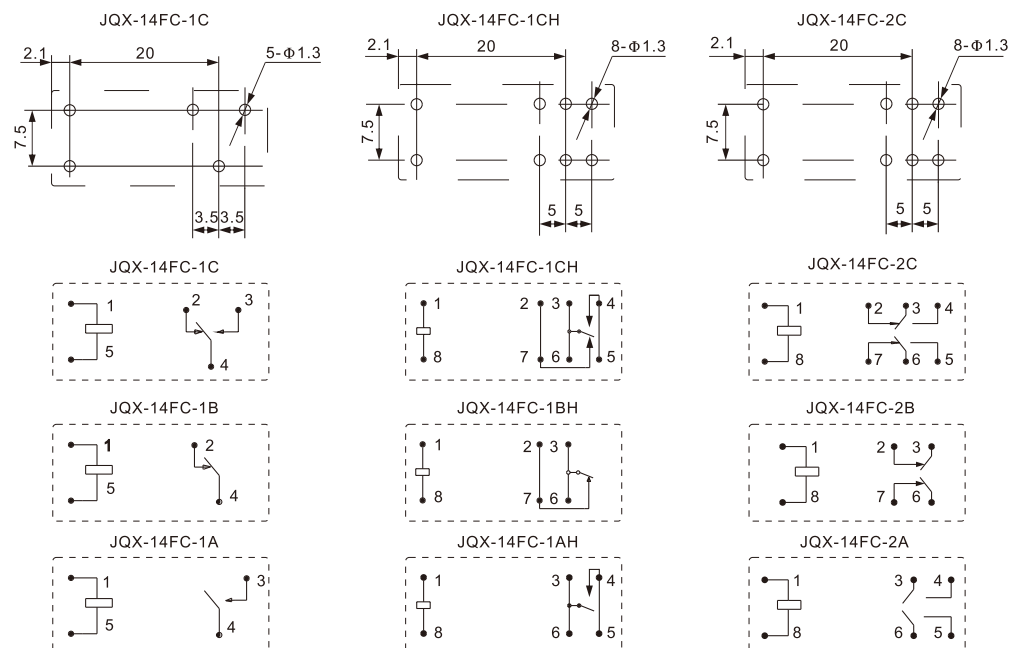
Contact Specification



Dimensions (mm)



Wiring Diagrams

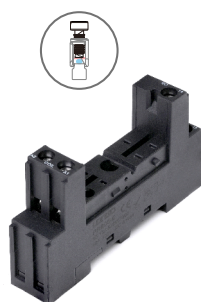


Selection manual of industrial control relay

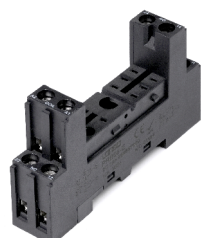
PRB05-E&PRB05-E 14FC Matched Socket



Characteristics



PRB05-E



PRB08-E

Type		PRB05-E	PRB08-E
Nominal load	Current	A	16
	Voltage	V	250
Dielectric strength	Between coil and contact	V/min	4000
	Between contacts	V/min	2500
Max. tightening torque	Nm	1.0	
Wire size	AWG/mm ²	20-14/0.5-2.5	
Ambient temperature	°C	-35~70	
Unit weight	g	34.8	40.8

Relay,accessories Selection Table

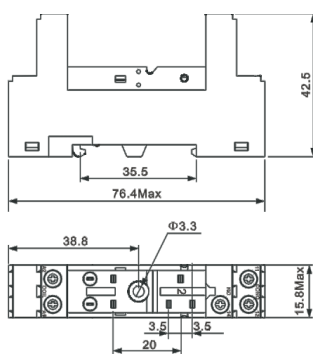
Socket	ID tag	Bus Jumper	Module
PRB05-E	PR2P	PR08B	AMD
PRB08-E			

Clip selection table

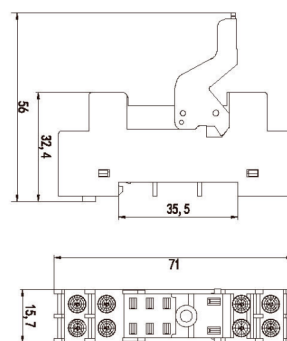
Relay H (mm)	15	20	25
Clip Type	PR15L	PR20F	PR25C

Dimensions (mm)

PRB05-E

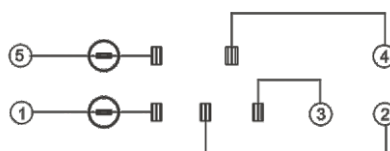


PRB08-E

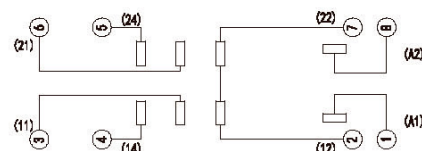


Connection Diagrams

PRB05-E



PRB08-E



Selection manual of industrial control relay

PRC05-E&PRC08-E14FC Matched Socket



Characteristics

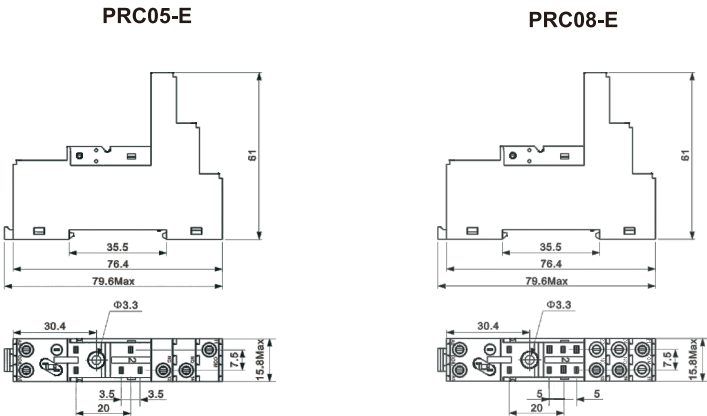


Type			PRC05-E	PRC08-E
Nominal load	Current	A	12	8
	Voltage	V	250	
Dielectric strength	Between coil and contact	V/min	4000	
	Between contacts	V/min	2500	
Max. tightening torque		Nm	1.0	
Wire size		AWG/mm ²	20-14/0.5-2.5	
Ambient temperature		°C	-35~70	
Unit weight		g	39.8	45.8

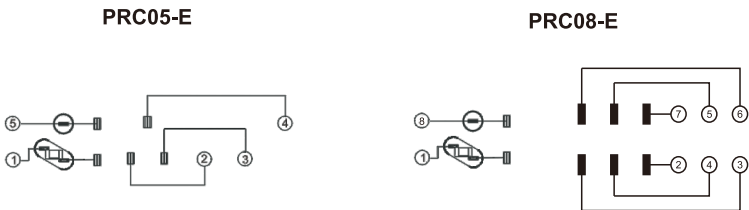
Relay,accessories Selection Table			
Socket	ID tag	Bus Jumper	Module
PRC05-E	 PR2P	 PR08B	 AMD
PRC08-E			

Clip selection table			
Relay H (mm)	15	20	25
Clip Type	 PR15L	 PR20F	 PR25C

Dimensions (mm)



Connection Diagrams



Selection manual of industrial control relay

PRC05/08-ST14FT Socket



Characteristics



PRC05-ST



PRC08-ST

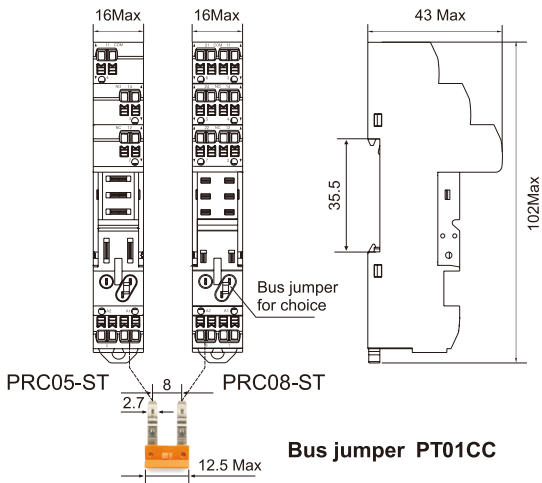


Type			PRC05-ST	PRC08-ST
Nominal load	Current	A	16	10
	Voltage	V	300	
Dielectric strength	Between coil and contact	V/min	4000	
	Between contacts	V/min	2500	
Max. tightening torque		Nm	-	
Wire size		AWG/mm ²	20-14/0.5-2.5	
Ambient temperature		°C	-40~+85	
Unit weight		g	35	43

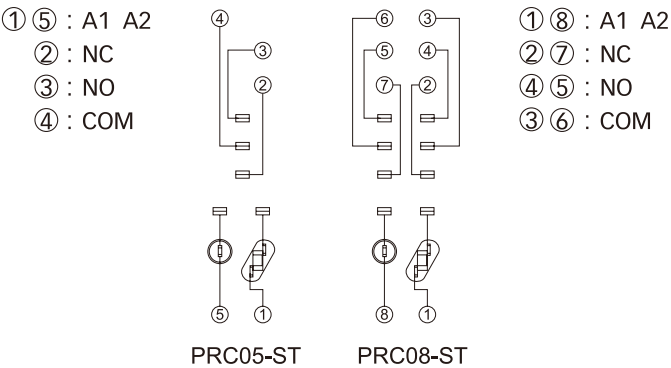
Relay,accessories Selection Table

Socket	Plastic clip	ID tag	Module	Bus jumper
PRC05-ST				
PRC08-ST				
	PR20T	PR2P	AMD	PT01CC

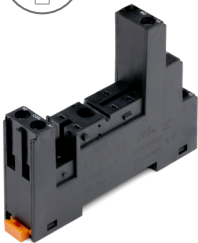
Dimensions (mm)



Connection Diagrams



Characteristics



PRC05-E2



PRC08-E2

Type			PRC05-E2	PRC08-E2
Nominal load	Current	A	16	8
	Voltage	V	250	
Dielectric strength	Between coil and contact	V/min	4000	
	Between contacts	V/min	2500	
Max. tightening torque	Nm		1.0	
Wire size	AWG/mm ²		20-14/0.5-2.5	
Ambient temperature	°C		-35~70	
Unit weight	g		38	44

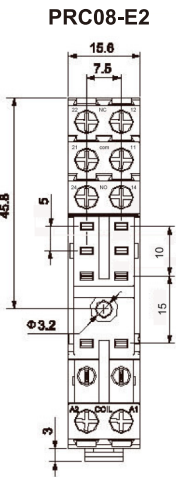
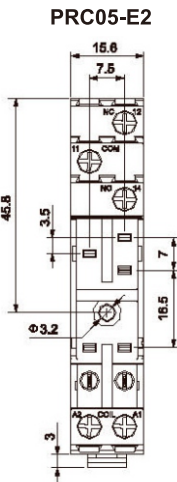
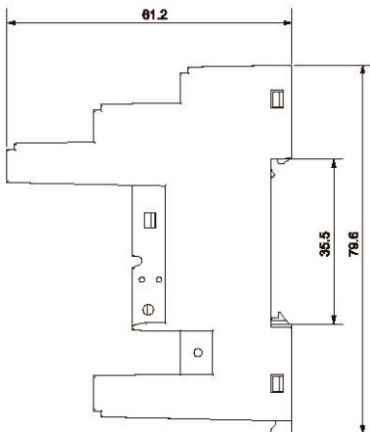
Relay,accessories Selection Table

Socket	ID tag	Bus Jumper	Module
PRC05-E2	 PR2P	 PR08B	 AMD
PRC08-E2			

Clip selection table

Relay H (mm)	15	20	25
Clip Type	 PR15L	 PR20F	 PR25C

Dimensions (mm)



Connection Diagrams

