

> Features:

Available for 1 and 2 poles, a variety of high capacity models

High sensitive of consumed power 400mW

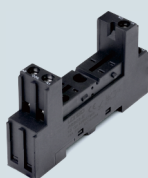
With up to 8mm of insulation distance between coil and contacts

High insulation with 10kv of shock resistant voltage

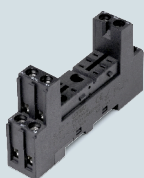
Meet with the ambient temperature 85°C



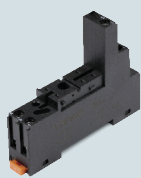
Sockets selection table



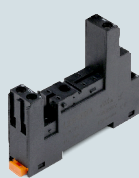
PRB05-E



PRB08-E



PRC05-E



PRC05-E2



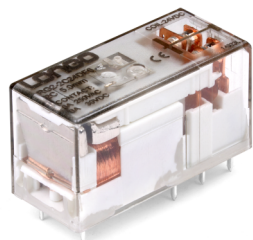
PRC08-E2



PRC05-ST



PRC08-ST



Relay



Socket



Relay module

RG2 - □ □ □ D □ □

Terminal arrangement

O: 3.5mm contact pin pitch 1 pole 12A
U: 5.0mm contact pin pitch 1 pole 12A
H: 5.0mm contact pin pitch 1 pole 16A, 2 pole 8A

Skeleton material

None: Class B F: Class F

Power

D: 400m W: 250mW

Coil voltage

5, 6, 9, 12, 48, 60, 110VDC
24, 115, 230VAC

Contact form

A: NO B: NC C: CO

Contact number

1, 2

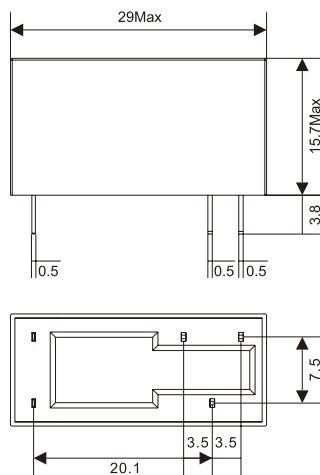
Series Name

Specification

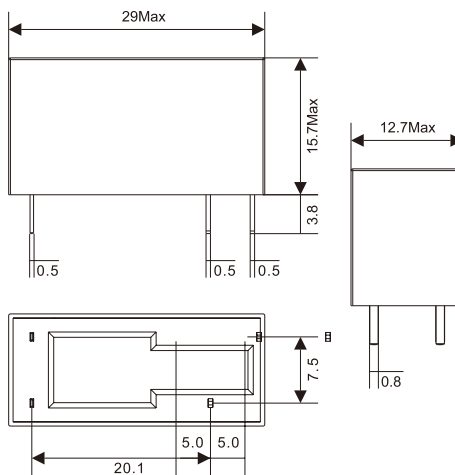
		1C/1A	2C/2A
Contact	Configuration	1C/1A	2C/2A
	Load	Resistive load (AC-1)	12A, 16A/250VAC, 30VDC
		Motor load (AC-15)	8A/250VAC, 30VDC
	Max. switching capacity (resistive)	1/2HP, 240VAC; 3/4HP, 120VAC	1/3HP, 240VAC, 1/4HP, 120VAC
	Min. switching capacity	3000VA, 360W; 4000VA, 480W	2000VA, 240W
	Initial contact resistance	170mW (17V/10mA)	
	Material	≤100mΩ	
	Electrical durability (110% rated voltage, 85°C)	Ag alloy	
	Electrical durability (Normal temperature)	3.5mm: 1NO 12A; 1NC 6A ≥10 ⁵ Cycles (85°C)	5.0mm: 2NO 8A; 2NC 4A ≥10 ⁵ Cycles (85°C)
	Mechanical durability	5.0mm: 1NO 16A; 1NC 8A ≥10 ⁵ Cycles (85°C)	-
	Electrical durability (Normal temperature)	3.5mm: 1NO 12A; 1NC 12A ≥5x10 ⁴ Cycles (23°C)	5.0mm: 2NO 8A; 2NC 8A ≥5x10 ⁴ Cycles (23°C)
		5.0mm: 1NO 16A; 1NC 16A ≥3x10 ⁴ Cycles (23°C)	-
	Maximum voltage (23°C) (Rated voltage)	Dc ≥5000x10 ⁴ Cycles (18000 Ops/h); Ac ≥3000x10 ⁴ Cycles (18000 Ops/h)	
	Pick-up voltage (23°C) (Rated voltage)	DC ≤70%	
	Drop-out voltage (23°C) (Rated voltage)	DC ≥10%	
	Insulation resistance	130%	
	Coil operating power	≥1000MΩ (500VDC)	
		DC(W)	approx. 0.43
		AC(VA)	approx. 1
	Operate time	≤10ms	
Initial breakdown voltage	Release time (at nominal voltage)	≤5ms	
	Between open contacts	1000VAC/1min (leakage current 1mA)	1000VAC/1min (leakage current 1mA)
	Between poles	-	2500VAC/1min (leakage current 1mA)
Insulation characteristics	Between contacts and coil	5000VAC/1min (leakage current 1mA)	5000VAC/1min (leakage current 1mA)
	Rated voltage	250VAC	
	Pollution level	3	
IEC 60664 UL840	Overvoltage level	III	
	Equivalent Product	Finder	41.31/41.61
		OMRON	G2R1
			G2R2

Dimensions (mm)

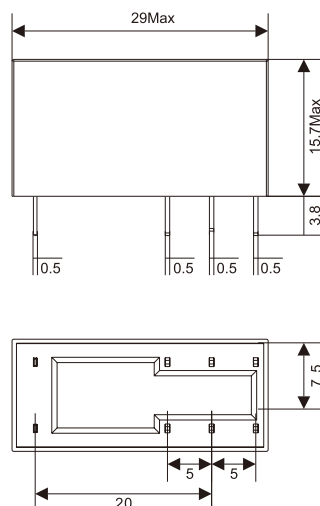
RG21CO 3.5mm



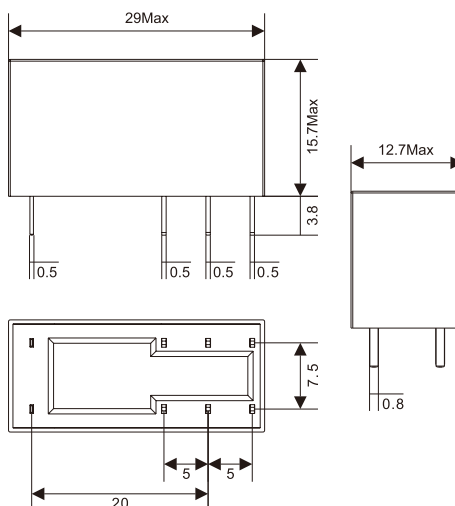
RG21CU 5.0mm



RG21CH 5.0mm

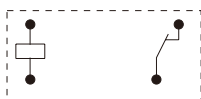


RG22CH 5.0mm

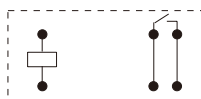


Wiring Diagrams

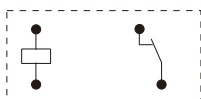
RG21AO/1AU



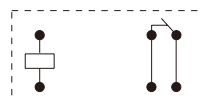
RG21AH



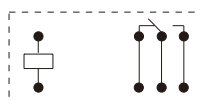
RG21BO/1BU



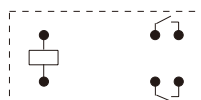
RG21BH



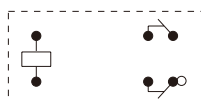
RG21CH



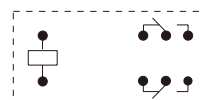
RG22AH



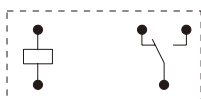
RG22BH



RG22CH



RG21CO/1CU

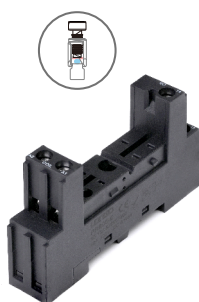


Selection manual of industrial control relay

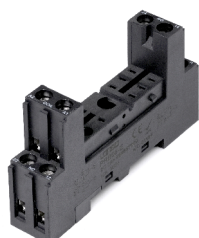
PRB05-E&PRB05-E 14FC Matched Socket



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

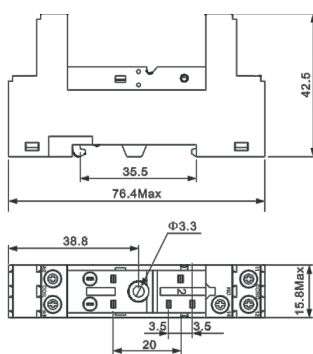
Socket	ID tag	Bus Jumper	Module
PRB05-E	PR2P	PR08B	AMD
PRB08-E			

Clip selection table

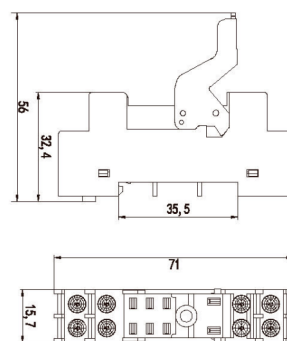
Relay H (mm)	15	20	25
Clip Type	PR15L	PR20F	PR25C

Dimensions (mm)

PRB05-E

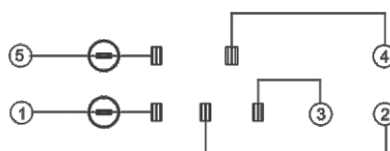


PRB08-E

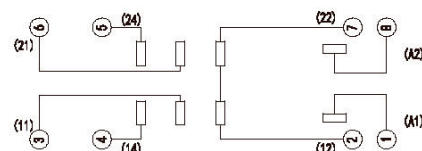


Connection Diagrams

PRB05-E



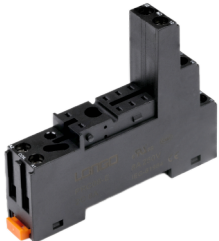
PRB08-E



Characteristics



PRC05-E



PRC08-E

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

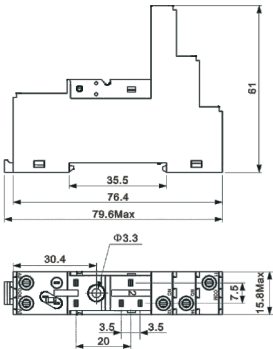
Socket	ID tag	Bus Jumper	Module
PRC05-E	 PR2P	 PR08B	 AMD
PRC08-E			

Clip selection table

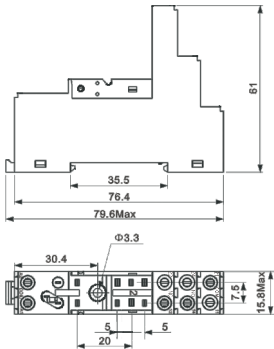
Relay H (mm)	15	20	25
Clip Type	 PR15L	 PR20F	 PR25C

Dimensions (mm)

PRC05-E

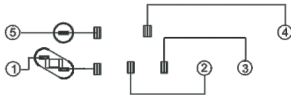


PRC08-E

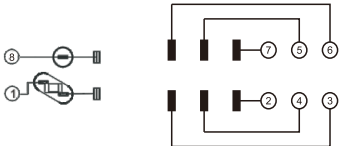


Connection Diagrams

PRC05-E



PRC08-E



Selection manual of industrial control relay

PRC05/08-ST14FT Socket



Characteristics



PRC05-ST



PRC08-ST

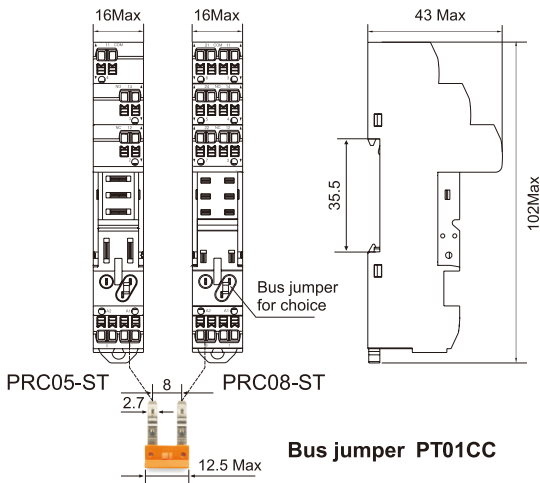


Type			PRC05-ST	PRC08-ST
Nominal load	Current	A	16	10
	Voltage	V	300	
Dielectric strength	Between coil and contact	V/min	4000	
	Between contacts	V/min	2500	
Max. tightening torque		Nm	-	
Wire size		AWG/mm ²	20-14/0.5-2.5	
Ambient temperature		°C	-40~+85	
Unit weight		g	35	43

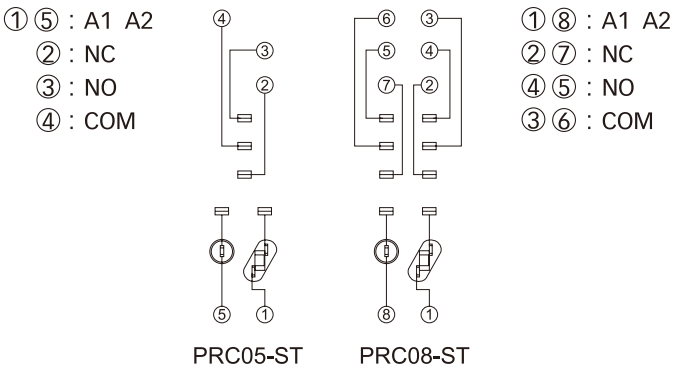
Relay,accessories Selection Table

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

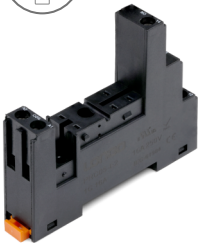
Dimensions (mm)



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

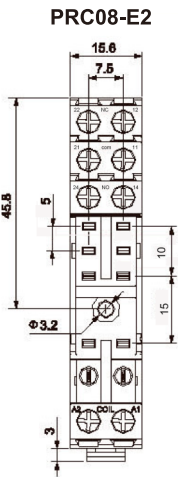
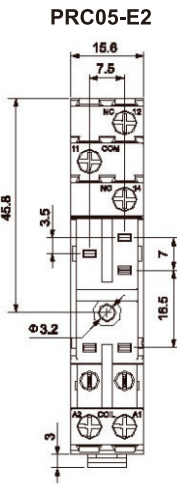
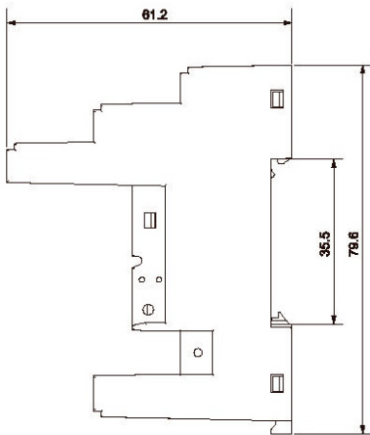
Relay,accessories Selection Table

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

