



Main Feature

1. From 1 to 3 Pole version are available with high switching current up to 30A.
2. Solder Lug Terminal with Flanged Case are available for customer's various application.

Application

Vending Machine, Cooking Appliances, Office Machine, Domestic Appliances, Control Equipment, etc

Contact Rating

- Nominal Load (Resistive Load $\cos \varphi = 1$)
- Contact Capacity
- RPT(No Command)..... 30A/28VDC.
- 30A/120VAC.
- 30A/240VAC.
- 10A /600VAC.
- Motor..... 1HP 120 VAC.
- 1HP /200 ~ 260 VAC.
- RPT(1,2,3P)..... 20A/15VDC.
- 13A/28VAC.
- 25A/120VAC.
- 25A/240VAC
- 5A/600VAC
- Motor(1,3P)..... 3/4 HP /120VAC.
- 1HP/208/240VAC.
- (2P).....3/4HP/120VAC
- 1HP240/480/600VAC
- Rated Carrying Current 25 Amps.
- Max. Allowable Current 30 Amps.
- Max. Allowable Voltage AC 300V, DC 48V.
- Max. Allowable Power Force 6000VA, 800W.
- Min. Switching Load DC 10V, 10mA.
- Contact Material Ag Alloy.
- Contact Form..... SPDT(DB-DM)
- DPST & DPDT
- TPST & TPDT

Performance (at Initial Value)

- Contact Resistance 100 mΩ Max. @1A,6VDC
- Operate Time..... 15 mSec. Max.
- Release Time 10 mSec. Max.
- Dielectric Strength :
- Between Coil & Contact 1,500VAC at 50/60 Hz

- for one minute.
- Between Contacts 500VAC at 50/60 Hz
- for one minute.
- Surge Resistance 1,500V (between Coil
- & Contact 1.2x50μSec.)
- Insulation Resistance 1,000 MegaΩ Min. at
- 500VDC.
- Max. On/Off Switching :
- Electrical 30 Ops per Minute.
- Mechanical 300 Ops per Minute.
- Temperature Range..... -45~70°C
- Humidity Range 45~85% RH.
- Coil Temperature Rise 50°C Max.
- Vibration :
- Endurance 10 to 55 Hz dual
- amplitude width 1.5mm.
- Error Operation..... 10 to 55 Hz dua
- amplitude width 1.5mm.
- Shock :
- Endurance 1,000 m/S² Min.
- Error Operation..... 100 m/S² Min.
- Life Expectancy :
- Mechanical 10⁷ Operations at No
- Load condition.
- Electrical 10⁵ Operations at Rated
- Resistive Load.
- Weight About 85 g.

Accessories & Sockets

- PPF-11A See Page 135
- PPF-11AE..... See Page 135

Safety Standard & Its File Number

- C-UL E175730

Coil Specification (at 20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)		Coil Resistance ($\Omega \pm 10\%$)	Power Consumption	Pull-In Voltage	Drop-Out Voltage	Maximum Allowable Voltage
			50 Hz	60 Hz					
RPT (VAC) 1P, 2P	01	6	309.1	261.5	4.2	Abt. 2.9~3.5VA	85% Maximum	30% Maximum	110% Maximum
	02	12	200.2	169.4	18				
	03	24	129.7	109.7	72				
	04	48	71.4	61.6	280				
	05/06	110/120	28.0	24.3	1,700				
	07/08	220/240	13.2	11.3	7,200				
RPT (VAC) 3P	01	6	371.4	317.3	3.2	Abt. 3.8~4.6VA	85% Maximum	30% Maximum	110% Maximum
	02	12	253.3	216.4	14				
	03	24	172.8	147.6	55				
	04	48	94.7	81.1	220				
	05/06	110/120	37.7	32.0	1,300				
	07/08	220/240	16.6	13.9	5,510				
RPT (VDC)	01	6	186.9		32.1	Abt. 1.2 W	80% Maximum	10% Maximum	110% Maximum
	02	12	100.0		120				
	03	24	50.8		472				
	04	48	26.7		1,800				
	05	110	11.0		10,000				

Ordering Information

<p>RPT - 1 01 D M P F L T D</p>	<p>Diode: Nil: Without Diode D: With Diode selection</p> <p>Touch Button: Nil: Without Test Button T: With Test Button</p> <p>LED: Nil: Without LED L: With LED Selection</p> <p>Case Type: Nil: Standard square shape F: Top with flanged case H: Side with flanged case</p> <p>Terminal Type: S: Quick connect Tabs (width 4.80mm) W: Quick connect Tabs (width 6.50mm)</p> <p>Contact Form: Nil: 1 From C N: NO Common M: 1 From A B: 1 From B</p> <p>Coil Type: D: DC Coil A: AC Coil</p> <p>Coil Code: 01: 6V, 02: 12V, 03: 24V, 04: 48V, 05: 110V 06: 120V, 07: 220V, 08: 240V, 09: 230V</p> <p>Number of Pole: N: No Common 2: 2 Poles 3: 3 Poles</p> <p>Type: RPT</p>
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Classification

Model	RPT					
Coil Type	AC Coil			DC Coil		
Contact Form	1 Poles		2 Poles	1 Poles		2 Poles
Number of Poles	1C / 1A / 1B		2C / 2A / 2B	1C / 1A / 1B		2C / 2A / 2B
Terminal Type	RPT-1□□AS/AMS/ABS	RPT-2□□AS/AMS/ABS	RPT-3□□AS/AMS/ABS	RPT-1□□DS/DMS/DBS	RPT-2□□DS/DMS/DBS	RP-3□□DS/DMS/DBS
	RPT-1□□AW/AMW/ABW	RPT-2□□AW/AMW/ABW	RPT-3□□AW/AMW/ABW	RPT-1□□DW/DMW/DBW	RPT-2□□DW/DMW/DBW	RP-3□□DW/DMW/DBW
Case Type	RPT-1/2/3□□ASH/AMSH/ABSH	RPT-1/2/3□□AWH/AMWH/ABWH	RPT-1/2/3□□DSH/DMSH/DBSH	RPT-1/2/3□□DWH/DMWH/DBWH	RPT-1/2/3□□ASF/AMSF/ABSF	RPT-1/2/3□□AWF/AMWF/ABWF
	RPT-1/2/3□□DSF/DMSF/DBSF	RPT-1/2/3□□DWF/DMWF/DBWF				
LED	RPT-1/2/3□□ASFL/AMSFL/ABSFL RPT-1/2/3□□AWFL/AMWFL/ABWFL			RPT-1/2/3□□DSFL/DMSFL/DBSFL RPT-1/2/3□□DWFL/DMWFL/DBWFL		
Touch Bottom	RPT-1/2/3□□ASLT/AMSLT/ABSLT RPT-1/2/3□□ASFLT/AMSFLT/ABSFLT RPT-1/2/3□□AWFLT/AMWFLT/ABWFLT			RPT-1/2/3□□DSLTD/DMSLTD/DBSLTD RPT-1/2/3□□DSFLT/DMSFLT/DBSFLT RPT-1/2/3□□DWFLT/DMWFLT/DBWFLT		
Diode	RPT-1/2/3□□ASFLTD/AMSFLTD/ABSFLTD RPT-1/2/3□□AWFLTD/AMWFLTD/ABWFLTD			RPT-1/2/3□□DSFLTD/DMSFLTD/DBSFLTD RPT-1/2/3□□DWFLTD/DMWFLTD/DBWFLTD		

Dimension

Please refer to page 127.