PT65 SERIES ROTARY DIP SWITCHES

Outside the U.S. and the UK, this series is sold as the CR36 series, with a blue case.

FEATURES

- 3 + 3 terminal layout.
- Completely sealed for process compatibility. 4, 6, 8, 10 or 16 positions w/extensive codings.
- Precision designed detent action.
- Compact size.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

- High reliability & long life. Clockwise or counterclockwise settable.
- Solder coated terminals.







GENERAL SPECIFICATIONS
ELECTRICALS

Operating voltage 24 VDC max. Contact rating, static
Contact rating, dynamic 400 mA max. 150 mA max. Switching capacity 1.5 VA max. Initial contact resistance < 80 milliohms Insulation resistance > 100 megohms

MATERIALS

Base UL94V-O, high temperature thermoplastic Cover UL94V-O, high temperature thermoplastic

Actuator

Contacts Gold over nickel plated bronze Terminals Gold over nickel plated bronze

Terminal sealing Molded-in Actuator seal 'O'-ring

MECHANICALS, THERMALS

7.0 inch-oz. min. (0.7 Ncm min.) Torque Expected life 10,000 switching operations Contact force 15 grams min. Operating temperature range -20°C to 70°C

SOLDERING RECOMMENDATIONS

Hand soldering 340°C max. for 2 seconds max. (40 watt iron max.) Wave soldering 260°C max. for 10 seconds max. Freons or alcohol. (Do not use chlorinated solvents) Solvent washing Aqueous cleaning Deionized water preferred

•		
•	•	
	•	

 16 Positions

 Dial No.
 1
 2
 4
 8

CODE 05 GRAY CODE

CODES

NOTE: For each dial position in tables, Common terminal(s)(C) are connected to terminal number(s) indicated - i.e. - none or combinations of 1, 2, 3, 4 or 8. Each model in this series has 2 Common terminals except codes 11 and 24 which have one.

CODE 1	1						
ON/0FF							
4 Positions							
Dial No.	1						
0							
1	•						
0							
1							

CODE 12	2	
BCD		
4 Positio	ns	
Dial No.	1	2
0		
1	•	
2		•
3	•	•

CODE 21				
DECIMAL	_			
4 Positio	ns			
Dial No.	1	2	3	4
1	•			
2		•		
3			•	
0				•

CODES 24 & 25 BCD							
6 Positio	ns						
Dial No. 1 2 4							
0							
1	•						
2		•					
3	•	•					
4			•				
5	•		•				

BINARY CODED

5 6	•	•	•	
6	•		•	
7			•	
8			•	•
8 9	•		•	•
Α	•	•	•	•
В		•	•	•
С		•		•
A B C D	•	•		•
E	•			•
ь				

COMP. OF BINARY

CODE 26				CODE 2	7
OCTAL				OCTAL	С
8 Positio	ns			8 Positio)
Dial No.	1	2	4	Dial No.	
0				0	
1	•			1	
2		•		2	
3	•	•		3	
4			•	4	
5	•		•	5	Γ
6		•	•	6	
7	•	•	•	7	
5	•	•	•	4 5 6	

OCTAL COMPLEMENT							
8 Positions							
Dial No.	1	2	4	8			
0	•	•	•	•			
1		•	•	•			
2	•		•	•			
3			•	•			
4	•	•		•			
5		•		•			
6	•			•			
7				•			

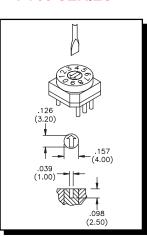
				BINARY	COI	DED		
٥N	IPLE	ME	NT	DECIMA	L (01)		
s				10 Posit	ions			
Ī	2	4	8	Dial No.	1	2	4	8
•	•	•	•	0				
	•	•	•	1	•			
•		•	•	2		•		
		•	•	3	•	•		
•	•		•	4			•	
	•		•	5	•		•	
•			•	6		•	•	
			•	7	•	•	•	
				8				•
				9	•			•

CODED			<u>ıL ((</u>	JZ)					
10 Positions									
Dial No.	1	2	4	8					
0	•	•	•	•					
1		•	•	•					
3	•		•	•					
3			•	•					
4	•	•		•					
5		•		•					
6	•			•					
7				•					
8	•	•	•						
9		•	•						
				_					

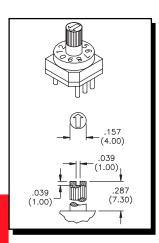
COMP. OF BINARY

HEXADECIMAL (03)				CODED HEXADEC. (
16 Posit	16 Positions				16 Positi	ons	;			
Dial No.	1	2	4	8		Dial No.	1	2	4	8
0						0	•	•	•	•
1	•					1		•	•	•
2		•				2	•		•	•
3	•	•				3			•	•
4			•			4	•	•		•
5	•		•			5		•		•
6		•	•			6	•			•
7	•	•	•			7				•
8				•		8	•	•	•	
9	•			•		9		•	•	
Α		•		•		Α	•		•	
В	•	•		•		В			•	
С			•	•		С	•	•		
D	•		•	•		D		•		
E		•	•	•		Е	•			
F	•	•	•	•		F				
					•					

PT65 SERIES



Arrow shaped slot Actuator Models Code (see truth tables) Positions		Complete Model No. by Terminal Style Right Angle		
		Straight	Pitch	
			.100"(2,54)	.200"(5,08)
Binary Coded Decimal	10	PT65101	PT65101L254	PT65101L508
Comp. of Binary Coded Dec.	10	PT65102	PT65102L254	PT65102L508
Binary Coded Hexadecimal	16	PT65103	PT65103L254	PT65103L508
Comp. of Binary Coded Hex.	16	PT65106	PT65106L254	PT65106L508
Code 12, Binary Coded Dec.	4	PT65112	PT65112L254	PT65112L508
Code 21, Decimal	4	PT65121	PT65121L254	PT65121L508
Code 25, Binary Coded Dec.	6	PT65125	PT65125L254	PT65125L508
Code 26, Octal	8	PT65126	PT65126L254	PT65126L508
Code 27, Octal complement	8	PT65127	PT65127L254	PT65127L508



Spindle Actuator Models		Complete Model No. by Terminal Style		
		Straight	Right Angle	
			Pitch	
Code (see truth tables)	Positions		.100" (2,54)	.200"(5,08)
Binary Coded Decimal	10	PT65301	PT65301L254	PT65301L508
Comp. of Binary Coded Dec.	10	PT65302	PT65302L254	PT65302L508
Binary Coded Hexadecimal	16	PT65303	PT65303L254	PT65303L508
Code 12, Binary Coded Dec.	4	PT65312	PT65312L254	PT65312L508
Code 21, Decimal	4	PT65321	PT65321L254	PT65321L508
Code 26, Octal	8	PT65326	PT65326L254	PT65326L508
Code 27, Octal complement	8	PT65327	PT65327L254	PT65327L508

.051 (1.30) .303 (7.70) .374 (9.50)	
.110 (2.80) .138 (3.50) .173 .173 (4.40))

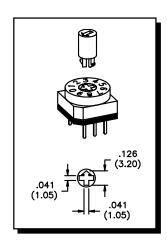
Segment Wheel Actuator Models		Complete Model No. by Terminal Style		
		Straight	Right Angle	
			Pitch	
Code (see truth tables)	Positions		.100"(2,54)	.200"(5,08)
Binary Coded Decimal	10	PT65501	PT65501L254	PT65501L508
Comp. of Binary Coded Dec.	10	PT65502	PT65502L254	PT65502L508
Binary Coded Hexadecimal	16	PT65503	PT65503L254	PT65503L508
Code 21, Decimal	4	PT65521	PT65521L254	PT65521L508
Code 26, Octal	8	PT65526	PT65526L254	PT65526L508

All models listed on this page have 2 Common terminals except Code 11 and Code 24 which have one.

Other codes are available - consult factory.

APEM, 63 NECK ROAD, HAVERHILL, MA USA 01835 TOLL FREE: (877) 246-7890 FAX: (978) 372-3534 E-mail: info@apem.**@d6**n

PT65 SERIES



Cross shaped slot		Complete Model No. by Terminal Style		
Actuator Models			Right Angle	
		Straight	Pitch	
Code (see truth tables)	Positions		.100" (2,54)	.200"(5,08)
Binary Coded Decimal	10	PT65701	PT65701L254	PT65701L508
Comp. of Binary Coded Dec.	10	PT65702	PT65702L254	PT65702L508
Binary Coded Hexadecimal	16	PT65703	PT65703L254	PT65703L508
Code 05, Gray Code	16	PT65705	PT65705L254	PT65705L508
Comp. of Binary Coded Hex.	16	PT65706	PT65706L254	PT65706L508
Code 11, ON/OFF	4	PT65711	PT65711L254	PT65711L508
Code 12, Hexadecimal	4	PT65712	PT65712L254	PT65712L508
Code 21, Decimal	4	PT65721	PT65721L254	PT65721L508
Code 24, Binary Coded Dec.	6	PT65724	PT65724L254	PT65724L508
Code 25, Binary Coded Dec.	6	PT65725	PT65725L254	PT65725L508
Code 26, Octal	8	PT65726	PT65726L254	PT65726L508
Code 27, Octal complement	8	PT65727	PT65727L254	PT65727L508

Operating Elements snap-fit securely into PT65 (& P60A) Series switch models with cross shaped slot actuators. Order separately by Model number shown below and indicate color.









P

Spindle colors: red, gray or black (consult factory for color codes)

US Model No.	Dim. A	EU Model No.
SAPT65473	.287	N/A
SAPT654116	.457	U4820
SAPT654133	.524	U4830

blue, gray or black (consult factory for color codes)

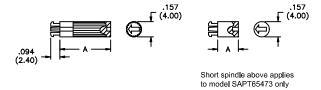
EU Model No.

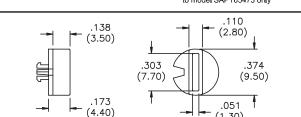
Segment wheel

US Model No.

SRPT659544

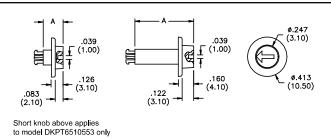
colors: yellow, red, green,





Knob color: red US Model No. Dim. A **EU Model No.** DKPT6510553 .209 U4906 **DKPT65105157** .618 U4916 **DKPT65105291** 1.146 N/A **DKPT65105344** 1.354 N/A

U4940

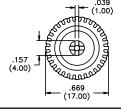


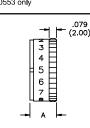
Wheel color: white

US Model No. Dim. A EU Model No.

DRPT651772 .283 U4847/1
printing on request

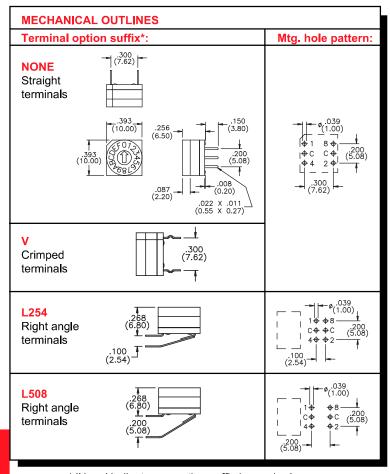
(fits PT65 models only)



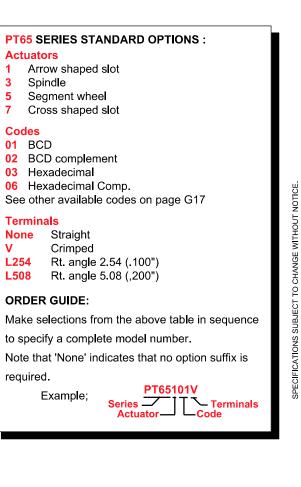


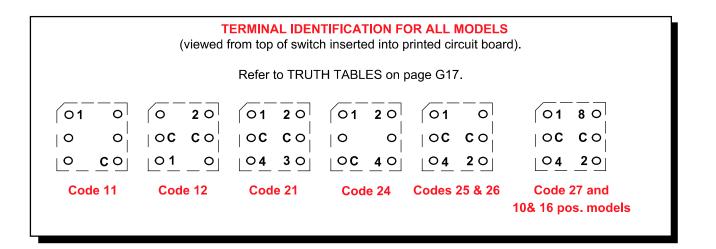
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PT65 SERIES



 $\ensuremath{^*}$ 'None' indicates no option suffix is required.





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