

## HOW TO ORDER

The ordering code for the SNAPAK® circuit protectors may be determined by following the steps in the decision tables shown here.

The coding given permits a self-assigning part number, with certain limitations (due to the adaptability of magnetic protectors to complex circuits), requires a factory-assigned part number.

The example shown is the code for a paddle handle, single pole (UL construction), series circuit protector designed for operation of a 50/60Hz/DC circuit. A slow time delay and rating of 5 amperes has been indicated. Handle color is black, and a bright nickel knurled nut, vertical mount (ON-OFF) indicator plate and locking ring are to be supplied.

To determine the ordering code for your particular SNAPAK® unit, simply follow the steps shown, then fill in the letters and/or numbers in the boxes. Space is available on the circuit breaker label for your part number (up to 12 digits). You may then use your own part number to place an order or as a reference for further questions you may have. This option does require a factory assigned part number for traceability to your drawing or internal part number.

1 First Decision						
	Handle	Poles		Configurations*		Terminals
<b>T</b>	Paddle Handle	1	Single Pole †	0	Switch Only (Note E)	Quick Connects (leave blank)
<b>PP</b>	Push-Pull	4	Single Pole ††	1	Series Circuit Protector	<b>S</b> Screw Terminals, Single pole (-1) and series only  (5th decision, group V - screw terminal option is required when 1st decision "S" is specified)
<b>PR</b>	Push-To-Reset	2	Two Pole †	3	Shunt Circuit Protector	
<b>R</b>	Rocker	5	Two Pole ††	4	Relay Circuit Protector ††††	
<b>CR</b>	Rocker	**		5	Series w/ Silver Aux. Switch †††	
<b>CPP</b>	Push-Pull	**		6	Series w/ Gold Aux. Switch †††	
<b>CPR</b>	Push to Reset	**		9	Mixed Construction (2 Pole Only)	
† UL & CSA Construction †† Non UL & CSA Construction ††† Auxiliary Switch is located in the left hand pole (viewed from terminal end) †††† Does not meet spacings for many IEC / TUV equipment specs. Consult factory for additional information. *Multi-pole units with mixed construction, poles numbered left to right when viewed from terminal end. Shunt or relay construction available in pole 2 only, other pole must be a series or switch only construction. **UL 489A listed, available in 1 pole series or series w/silver aux. switch. DC delay only						

**T11 - 2- 5.00A - 01-11AL- V**

2 Second Decision	
Frequency & Delay	
-0	Instant DC-50/60 Hz
-1	Fast DC-50/60 Hz
-2	Slow DC-50/60 Hz
-3	Fast w/ Inertia Wheel DC-50/60 Hz
-4	Slow w/ Inertia Wheel DC-50/60 Hz
-41*	Fast 400 Hz***
-42*	Slow 400 Hz*
-49*	Instant 400 Hz
-51	Fast DC†
-52	Slow DC†
-59	Instant DC†
-61	Fast 50/60 Hz*
-62	Slow 50/60 Hz*
-69	Instant 50/60 Hz
-S	Switch Pole or Special Delay
* 20 amps max for 400Hz **For addition of Inertia Delay an "I" may be added to delay 41, 42, 51, 52, 61, 62 only †CR, CPP, CPR only available in these delays	

3 Third Decision	
Rated Current	
Circuit Breaker Construction	
<b>Use three numbers to print required current value between .100 amps minimum and 30.0 amps maximum.</b>	
For example, use: .100 or 2.00 or 10.0	
Switch Only Construction	
<b>-SW</b>	Maintained SPST & DPST
Note: 20.0 amps max for 400 Hz units.	

Notes:

- A A neon bulb is provided when specified for 120Vac and 250Vac operation. For operation at 120Vac a 33,000 ohm, 1/2 watt external resistor is required. At 250Vac a 100,000 ohm, 1 watt external resistor is required.
- B An LED with 750 ft. L @ 20mA is provided in the center of the handle. Maximum power dissipation @ 25°C is 135mW. Continuous forward current is 20mA. Forward voltage, typical, is 1.6v at 20mA. Reverse current, typical, is 100mA @ 3.0 volts. An external resistor may be required to limit current to these values.
- C When ordering Paddle Handles, you may choose one item from each hardware group to add to 5th decision if such items are desired. For example, "-11ALCA" would indicate a bright nickel knurled nut, plus a vertical mount indicator, plus a locking ring, plus #8-32 screw terminal, straight with tabs.
- D All units except Rocker units will have (1) hex nut installed as standard hardware for the back of a panel. The choices in the fifth decision table are intended for the front or visible side of the panel and are offered for Paddle Handle configuration only. Push-Pull and Push-to-Reset configurations include one (1) panel nut and one (1) hex nut as standard hardware.
- E Switch only — no current overload protection provided.
- F CCC Approval - If CCC is required on this product, please inform Sensata to have this product manufactured in our China facility

#### 4 Fourth Decision

Rocker			
Step 1: Choose Letter For Body Color			
<b>B</b>	Black	<b>R</b>	Black w/ Handle guard
<b>G</b>	Gray	<b>S</b>	Gray w/ Handle guard
<b>W</b>	White	<b>T</b>	White w/ Handle guard
Example: "W..." For White Rocker Body (Rocker Style)			

Step 2: Choose Handle Combinations			
Without Illumination Basic Handle Color (w/o Markings)			
<b>01</b>	Black	Example: "-W06"	
<b>02</b>	Red		
<b>06</b>	White		
<b>07</b>	Orange		
With Illumination Basic Handle Color & Light Choice (w/o Markings)			
<b>101</b>	Clear w/Neon (Note A)		
<b>102</b>	Clear w/Green Glow Neon (Note A)		
<b>103</b>	Clear w/Red LED (Note B)		
<b>104</b>	Clear w/4-8 Vdc Red LED		
<b>105</b>	Clear w/8-16 Vdc Red LED		
<b>107</b>	Clear w/Green LED (Note B)		
<b>108</b>	Clear w/4-8 Vdc Green LED		
<b>109</b>	Clear w/8-16 Vdc Green LED		
<b>121</b>	Transparent Red w/Neon (Note A)		
<b>123</b>	Transparent Red w/Red LED (Note B)		
<b>124</b>	Transparent Red w/Red LED 4-8 Vdc		
<b>125</b>	Transparent Red w/Red LED 8-16 Vdc		
<b>161</b>	Translucent White w/Neon (Note A)		
<b>162</b>	Translucent White w/ Green Glow Neon (Note A)		
<b>171</b>	Transparent Amber w/Neon (Note A)		
<b>181</b>	Transparent Smoke Gray w/Neon (Note A)		
<b>182</b>	Transparent Smoke Gray w/Green Glow Neon (Note A)		
<b>183</b>	Transparent Smoke Gray w/Red LED (Note B)		
<b>184</b>	Transparent Smoke Gray w/4-8 Vdc Red LED		
<b>185</b>	Transparent Smoke Gray w/8-16 Vdc Red LED		
<b>187</b>	Transparent Smoke Gray w/Green LED (Note B)		
<b>188</b>	Transparent Smoke Gray w/4-8 Vdc Green LED		
<b>189</b>	Transparent Smoke Gray w/8-16 Vdc Green LED		
Example: "-W124"			
If you prefer NO markings, then your handle decision is now complete.			

#### Step 3: Choose Handle Markings

Marked For Vertical Mount-After choice of 3 digit number in step 2 above.



Add "**CV**" for Combined markings.



Add "**EV**" for English markings.  
Example: "-W124EV"



Add "**IV**" for Intl. markings.

Marked For Horizontal Mount-After choice of 3 digit number in step 2 above.



Add "**CH**" for Combined markings.



Add "**EH**" for English markings.  
Example: "-W06EH"



Add "**IH**" for International markings.

If you have chosen a handle from this table, your 4th Decision and your catalog part number are now complete (except if you require "-S" screw terminal option from the 5th Decision Table.)

#### Paddle (T) Handle Color

<b>-01</b>	Black
<b>-02</b>	Red
<b>-03</b>	Yellow
<b>-04</b>	Green
<b>-05</b>	Blue
<b>-06</b>	White

If you have chosen a handle from this table, your 4th Decision is now complete except for hardware options in 5th Decision Table.

#### Push-Pull (PP, CPP and CPR)

<b>-XX</b>	No Button Markings desired (not available for CPP & CPR)		
<b>-OA</b>		Marked Buttons Available For These Amperages	
<b>-OB</b>		0.1	1
<b>-OC</b>		.25	2.5
		0.5	5
		.75	7.5
		20	
If you have chosen a handle from this table, your 4th Decision & your catalog PN are now complete (except if you require "-S" screw terminal option from the 5th Decision Table.)			

#### Push-to-Reset (PR)

<b>-XX</b>	No Button Markings Only
If you have chosen a handle from this table, your 4th Decision and your catalog PN are now complete (except if you require "-S" screw terminal option from the 5th Decision Table.)	

#### 5 Fifth Decision

##### Hardware & Accessories (Notes C and D)

Group I		Group II (Indicator Plate)		Group V (Screw Terminal Options)	
<b>-00</b>	No Outer Hardware Desired	<b>-A</b>	Vertical Mount (Off/On & O/I)*	<b>-C</b>	SAE 8-32, Upturned Lugs (Tabs) Straight Terminal
<b>-10</b>	Black Knurled Nut				
<b>-11</b>	Bright Nickel Knurled Nut				
<b>-20</b>	Black Panel Dress Nut	<b>-B</b>	Horizontal Mount (Off/On & O/I)*	<b>-D</b>	SAE 8-32, Bus-Type Connect (Flat) Straight Terminal
<b>-21</b>	Bright Nickel Panel Dress Nut				
<b>-31</b>	Bright Nickel Hex Nut				
Group III		*Selection of A or B Indicator Plate required for TUV and CCC.		Please select a screw terminal option if you selected "S" in Decision 1	
<b>-L</b>	Locking Ring				

T, V = TÜV and CCC Approved

The shaded areas denote CCC (if applicable) and CE compliant options. The V will be added to any part number formed entirely from shaded decisions. If non-shaded areas are selected, the unit will not be approved, nor CE compliant, but other approvals still apply. 20 amps max rating on units.